

AD-A187 850

GRISCOM AFB INDIANA REVISED UNIFORM SUMMARY OF SURFACE

1/4

WEATHER OBSERVATIONS PARTS A-F(U) AIR FORCE

ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

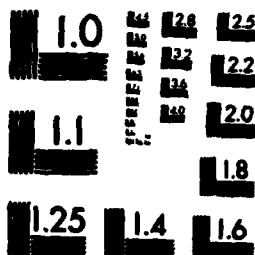
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NOV 87 USAFETAC/DS-87/874

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

**AD-A187 850**

USAFETAC/DS-8D/074

FL 44-  
SCOTT AFB, IL 62225-9458  
20 NOV 1967



GRISCOM AFB IN MSC 725335  
N 40 39 W 086 09 ELEV 812 FT KGBS  
PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST  
PERIOD OF RECORD:  
HOURLY OBSERVATIONS: AUG 77 - JUL 87  
SUMMARY OF DAY DATA: JAN 56 - JUL 87

DTIC  
ELECTE  
DEC 09 1987

87 11 30 086

REPORT DOCUMENTATION PAGE

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3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
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- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
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- 13b. Time Covered: Jan 56-Jul 87.
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17. COSATI Codes: Field--04, Group--02
18. Subject Terms: \*climatology; \*weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Grissom AFB IN; Bunker Hill AFB IN; Peru IN; Indiana; USIN725335.
19. Abstract: A six-part statistical data summary of surface weather observations for: Grissom AFB IN. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use. A
20. Distribution/Availability of Abstract: Same as report.
21. Abstract Security Classification: UNCLASSIFIED.
- 22a. Name of Responsible Individual: Marianne L. Cavanaugh
- 22b. Telephone: (618)256-2625
- 22c. Office Symbol: USAFETAC/LDD



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STATION NUMBER: 725335      STATION NAME: GRISSON AFB IN

PERIOD OF RECORD:

POURLY OBSERVATIONS: AUG 77 - JUL 87

SUMMARY OF DAY DATA: JAN 56 - JUL 87

TIME CONVERSION LST TO GMT: +5

DATE PRODUCED: 26 OCT 1987

CALL ID: NGUS

HOURS SUMMARIZED: 0000-2300 LST

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Justification

By	
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OL-A/LUSAFETAC/MAC/AWS  
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

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PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMPC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPOSED OF THE WHO NUMBER WITH THE ADDITION OF A SUFFIX 10 THROUGH 91. IN CASES WHERE THERE IS NO DESIGNATED WHO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WHO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT.)	CALL SIGN	WMO NUMBER
725335	GRISSEM AFB INDIANA/PERU	N 40 39	W 086 09	812	GUS	

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		GWS PER DAY
			FROM	TO			FIELD (FT)	WT. GARD.	
1	Bunker Hill AFB	AFB	DEC 55	Apr 61	N 40 39	W 86 09	811	804 ft	24
2	Same	Same	May 61	Feb 62	Same	Same	Same	816 ft	24
3	Same	Same	Mar 62	Feb 67	Same	Same	823	813 ft	24
4	Same	Same	Mar 67	Dec 67	Same	Same	Same	817 ft	24
5	Grissom AFB Indiana/Peru	Same	Jan 68	Mar 69	Same	Same	817	Same	24
6	Same	Same	Apr 69	Dec 70	Same	Same	823	841 ft	24
7	Same	Same	Jan 71	Aug 75	Same	Same	823	Same	24
8	Same	Same	Sep 75	Jan 76	Same	Same	822	804	24
9	Grissom AFB Indiana/Peru	Same	Feb 76	Mar 84	Same	Same	812	Same	24
10	Same	Same	Apr 84	May 87	Same	Same	812	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	DEC 55	Located on top of control tower & operations bldg.	AN/GMQ-1	Wind Panel ML 204B	54 ft	
2	MAR 57	Same	Same	Same	87 ft	
3	MAR 59	Located at intersection of runways 3 & 4.	AN/GMQ-11	RO 2A	13 ft	
4	MAR 61	Located 1000 ft NE end of runway 04 500 ft ESE of runway 22.	AN/GMQ-11	Same	Same	
5	JUN 61	Same	Same	RO 1A	Same	
6	MAY 63	1. Located 1200 ft from end runway 04 - 500 ft ESE runway centerline. 2. Located 1200 ft from end runway 22-500 ft ENE runway centerline.	Same	RO 2A	Same	
			Same		Same	

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
7	NOV 77	1. Same	Same	Same	Same	Time of change in Rwy heading is estimated.
		2. Same	Same	Same	Same	
8	Dec 77	1. Located 1200 ft from end of Rwy 05-500 ft ESE Rwy centerline.	GMQ-20	RO 362	Same	
		2. Located 1200 ft from end of Rwy 23-500 ft ENE Rwy centerline.	"	"	"	

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## WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

### WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

### ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

### DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET: SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS, AND/OR SLEET (ICE PELLETS).

HAUL: ALL REPORTED HAUL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN  $5/8$  MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		5.4	2.2	21.7		28.1	23.0	4.3	4.2		31.0	930
03-05		5.2	1.4	23.8		29.1	25.8	4.4	3.9		33.8	930
06-08		3.5	1.2	23.5		27.3	26.3	6.1	3.2		34.2	930
09-11		3.1	1.6	19.9		24.0	28.0	12.9	5.1		42.6	930
12-14		2.8	1.0	22.5		25.5	21.6	14.4	5.8		39.9	930
15-17	.1	1.7	2.3	21.3		24.2	17.5	12.6	6.9		35.4	930
18-20		3.9	2.2	22.6		27.5	20.0	11.6	6.2		35.7	930
21-23		5.7	1.7	22.8		28.4	19.7	6.8	5.1		30.6	930
TOTALS	.0	3.9	1.7	22.3		26.8	22.7	9.1	5.1		35.4	7440

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.4	7.2	.4	15.5		22.7	25.3	9.6	1.9		33.9	846
03-05		6.9	.7	13.5		20.7	29.9	9.8	2.7		38.9	846
06-08		6.6	1.2	15.8		22.7	33.0	12.8	3.0		44.6	846
09-11		5.8	1.3	18.0		24.3	31.4	20.3	4.0		50.2	846
12-14		6.6	.4	13.7		20.4	25.4	21.9	3.9		45.7	846
15-17	.1	7.1	1.1	13.1		20.3	19.6	20.0	3.7		39.4	846
18-20	.1	7.0	2.0	9.7		17.8	22.7	19.4	4.0		40.4	846
21-23	.1	7.6	.6	11.1		18.9	25.1	15.7	2.0		37.1	846
TOTALS	.1	6.9	1.0	13.8		21.0	26.6	16.2	3.2		41.3	6768



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR

OURS (LST)	TSTMS	RAIN L/DRIZZLE	FRZING RAIN L/DRIZZLE	SNOW L/SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/DRIZZLE HAZE	BLOWING SNOW	DUST L/DR SAND	% OBS W/OBS TO VISION	TOTAL OBS
00-02	.6	11.0	.9	8.5		19.8	17.6	6.8	.5		23.4	930
03-05	.3	11.7	1.2	9.7		21.7	21.9	6.5	.3		27.1	930
06-08	.3	11.6	1.0	6.9		19.0	27.6	12.3	.6		36.7	930
09-11		10.6	.8	6.7		17.4	24.1	15.1	.4		37.4	930
12-14	.3	10.6	.4	6.1	.1	16.1	16.0	12.5	.3		27.3	930
15-17	.5	11.4	.4	7.4	.1	18.5	15.3	9.9	.3		24.2	930
18-20	.8	11.1	.4	9.4		19.1	16.5	8.8	.1		24.4	930
21-23	.6	12.2	.6	9.2		21.4	18.8	7.3	.9		25.4	930
TOTALS	.4	11.3	.7	8.0	.0	19.1	19.7	9.9	.4		28.2	7440

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR

OURS (LST)	TSTMS	RAIN L/DRIZZLE	FRZING RAIN L/DRIZZLE	SNOW L/SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/DRIZZLE HAZE	BLOWING SNOW	DUST L/DR SAND	% OBS W/OBS TO VISION	TOTAL OBS
00-02	1.2	11.6		2.4		13.7	15.6	3.2	.3		17.4	900
03-05	1.2	11.6		3.3		14.6	18.8	3.7	.3		20.6	900
06-08	.9	12.4		2.7		14.6	27.0	9.2	.1		31.3	900
09-11	.8	10.4		2.4		12.6	16.8	11.7			26.1	900
12-14	1.1	11.4		2.0		13.2	10.4	8.2		.2	18.3	900
15-17	1.2	13.8		2.4		15.4	9.6	6.9	.1	.3	15.8	900
18-20	1.9	13.7	.3	1.8		15.0	10.7	5.9	.2	.1	15.1	900
21-23	1.2	12.4		1.7		13.8	11.4	5.1	.1		15.0	900
TOTALS	1.2	12.2	.0	2.3		14.1	15.0	6.7	.1	.1	20.0	7200

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY

FOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	2.0	10.0				10.0	16.0	8.7			22.7	930
03-05	1.2	9.5				9.5	24.9	8.1			28.6	930
06-08	1.1	10.5				10.5	31.7	12.7			39.5	930
09-11	.8	12.2				12.2	17.6	11.6			27.0	930
12-14	.9	10.2				10.2	11.8	10.5			21.1	930
15-17	2.4	8.4				8.4	7.2	9.6		.3	15.7	930
18-20	2.3	10.2				10.2	7.4	11.4		.1	17.8	930
21-23	2.3	11.0				11.0	10.4	8.9			17.7	930
TOTALS	1.6	10.3				10.3	15.9	10.2		.1	23.8	7490

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN

FOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	1.2	4.8				4.8	9.4	9.3			16.4	900
03-05	2.2	5.9				5.9	17.6	12.4			26.7	900
06-08	2.1	7.1				7.1	26.0	17.2			37.9	900
09-11	.9	7.0				7.0	11.0	16.3			24.6	900
12-14	1.3	3.9				3.9	3.7	15.1			17.2	900
15-17	2.9	6.4				6.4	2.2	10.8		.1	12.7	900
18-20	3.2	6.3				6.3	2.4	9.3			11.6	900
21-23	4.3	6.1				6.1	4.9	10.9			15.0	900
TOTALS	2.3	5.9				5.9	9.7	12.7		.0	20.3	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST 10 VISION	TOTAL OBS
00-02	2.0	4.5			.1	4.5	19.1	22.8			33.9	930
03-05	2.5	6.7				6.7	30.1	21.8			41.1	930
06-08	1.7	6.7				6.7	38.6	26.0			52.4	930
09-11	.9	6.0				6.0	14.0	26.7			35.7	930
12-14	2.4	7.2				7.2	6.8	24.2			27.8	930
15-17	2.6	5.4				5.4	4.8	20.6			23.3	930
18-20	3.0	4.2				4.2	6.7	22.1			25.4	928
21-23	2.8	4.2				4.2	12.1	23.5			29.7	927
TOTALS	2.2	5.6			.0	5.6	16.5	23.5			33.7	7435

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST 10 VISION	TOTAL OBS
00-02	2.9	4.9				4.9	19.2	25.6			26.9	918
03-05	2.5	6.0				6.0	35.9	24.1			48.1	921
06-08	2.2	7.5				7.5	49.8	31.1			64.0	921
09-11	2.5	6.9				6.9	21.6	29.6			44.5	921
12-14	1.6	6.0				6.0	6.7	29.5			33.5	920
15-17	2.6	6.3				6.3	3.3	30.3			32.4	918
18-20	3.5	6.0				6.0	5.3	29.4			31.8	918
21-23	3.5	5.6				5.6	10.5	26.9			32.5	917
TOTALS	2.7	6.2				6.2	19.0	28.3			40.5	7354

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAZ	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/COST TO VISION	TOTAL OBS
00-02	1.3	5.4				5.4	17.0	17.8			29.6	894
03-05	.9	5.6				5.6	28.0	19.7			38.4	894
06-08	.9	6.2				6.2	40.8	22.3			51.5	894
09-11	.4	4.9				4.9	16.2	23.7			34.2	896
12-14	.6	4.6				4.6	5.2	18.1			21.9	897
15-17	1.0	6.2				6.2	2.6	16.6			18.6	897
18-20	1.9	4.6				4.6	4.2	16.5			19.8	897
21-23	1.3	6.5				6.5	8.5	16.2			22.1	897
TOTALS	1.0	5.5				5.5	15.3	18.9			29.5	7166

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAZ	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/COST TO VISION	TOTAL OBS
00-02	.5	9.0				9.0	19.5	7.7			23.8	930
03-05	.5	11.9		.2		12.0	27.3	6.7			29.2	930
06-08	.4	11.1		.1		11.1	37.5	9.9			41.6	930
09-11	.1	9.7		.1		9.7	22.7	14.6			32.3	930
12-14		9.5				9.5	11.2	14.3			23.7	930
15-17		10.1		.2		10.3	9.7	13.1			21.1	930
18-20	.5	9.6		.1		9.7	12.0	13.5			23.5	930
21-23	1.1	9.5				9.5	14.5	9.5			22.4	930
TOTALS	.4	10.1		.1		10.1	19.3	11.2			27.2	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.3	13.0	.7	4.4		17.4	20.8	10.2			29.6	900
03-05		15.8	.4	6.0		21.0	23.6	10.2			30.7	900
06-08	.1	14.7	.1	6.0		20.0	30.8	11.3	.3		37.2	900
09-11	.1	14.6	.2	5.8		20.2	31.3	17.7	.1		44.4	900
12-14	.3	11.3		4.2	.1	15.2	20.4	15.6			32.0	900
15-17		11.3	.1	5.0		16.0	17.7	12.7			29.2	900
18-20	.3	12.0	.2	4.1		15.8	18.6	12.6			29.0	900
21-23	.4	13.9		4.8		18.2	18.9	9.6			26.8	900
TOTALS	.2	13.5	.2	5.0	.0	18.0	22.8	12.6	.1		32.4	7200

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.1	11.6	1.1	11.9		23.9	28.9	7.4	3.1		35.7	930
03-05	.3	12.5	.9	13.5		25.9	29.7	5.5	2.9		35.2	930
06-08		12.2	1.1	14.8		26.5	31.5	5.6	2.6		37.8	930
09-11		10.0	1.3	14.6	.1	24.8	32.8	8.9	3.8		43.0	930
12-14		9.9	1.1	14.0		24.1	28.2	11.0	4.3		40.1	930
15-17		10.3	.5	10.8		20.9	25.6	13.1	3.4		38.2	930
18-20		11.0	1.1	10.4		21.7	26.6	9.6	2.4		35.6	930
21-23		11.6	1.7	11.7		24.0	26.1	8.3	3.3		34.7	930
TOTALS	.1	11.1	1.1	12.7	.3	24.0	28.7	8.7	3.2		37.5	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-87  
MONTH: ALL

HOURS (LST)	TSTMS	RAIN % OR DRIZZLE	FRZING RAIN % OR DRIZZLE	SNOW % OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE % OR HAZE	BLOWING SNOW	DUST % OR SAND	% OBS W/ CBST 10 VISION	TOTAL OBS
JAN ALL	.0	3.9	1.7	22.3		26.8	22.7	9.1	5.1		35.4	7440
FEB	.1	6.9	1.0	13.8		21.0	26.6	16.2	3.2		41.3	6768
MAR	.4	11.3	.7	8.0	.0	19.1	19.7	9.9	.4		28.2	7440
APR	1.2	12.2	.0	2.3		14.1	15.0	6.7	.1	.1	20.0	7200
MAY	1.6	10.3				10.3	15.9	10.2		.1	23.8	7440
JUN	2.3	5.9				5.9	9.7	12.7		.0	20.3	7200
JUL	2.2	5.6			.0	5.6	16.5	23.5			33.7	7435
AUG	2.7	6.2				6.2	19.0	28.3			40.5	7354
SEP	1.0	5.5				5.5	15.3	18.9			29.5	7166
OCT	.4	10.1		.1		10.1	19.3	11.2			27.2	7440
NOV	.2	13.3	.2	5.0	.0	18.0	22.8	12.6	.1		32.4	7200
DEC	.1	11.1	1.1	12.7	.0	24.0	28.7	8.7	3.2		37.5	7440
TOTALS	1.0	8.5	.4	5.4	.0	13.9	19.3	14.0	1.0	.0	30.8	87523

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

STATION NUMBER: 72533E STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 56-87  
MONTH: ALL

MONTH	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN	1.7	28.5	10.7	55.6		67.6	47.9	48.7	14.8		71.6	984
FEB	2.3	28.5	7.7	45.2	.1	60.6	49.4	53.1	10.6		69.7	904
MAR	9.0	42.0	3.2	33.2	.8	62.5	49.0	44.8	5.2		64.6	992
APR	17.0	54.9	.4	11.4	1.0	58.6	42.5	35.2	1.3		53.1	960
MAY	20.3	51.0		.2	.6	51.0	41.5	38.8			53.2	992
JUN	24.9	44.1			.8	44.1	39.1	44.4			54.9	960
JUL	26.1	43.2			.7	43.2	50.3	57.1			65.9	992
AUG	20.7	38.6			.3	38.6	62.1	64.4			73.9	961
SEP	14.3	39.8		.1		39.6	53.9	54.6			65.4	930
OCT	5.1	39.8		2.0	.4	40.7	48.4	41.9			57.8	961
NOV	3.2	40.4	.9	21.9	.1	53.8	50.6	45.4	1.9		65.1	930
DEC	1.7	36.7	9.2	44.3		65.7	54.0	44.2	7.7		70.7	959
TOTALS	12.2	40.6	2.7	17.8	.4	52.2	49.1	47.7	3.5		63.8	11525

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#### PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

##### PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LATEST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

##### EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "\*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: ".0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

##### TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MIC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.02	.06	.11	.26	.51	1.01	2.51	5.01	10.01	OVER 20.00	4 DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
				TO .05	TO .10	TO .25	TO .50	TO 1.00	TO 2.50	TO 5.00	TO 10.00	TO 20.00				MEAN	GREATEST	LEAST
JAN	32.1	29.9	6.8	10.9	6.3	7.2	4.0	2.0	.8					38.0	984	1.86	4.45	.29
FEB	38.7	26.8	4.6	8.7	6.5	6.9	4.2	2.7	.8	.1				34.5	904	1.89	5.61	.11
MAR	36.5	22.6	3.5	8.6	7.7	7.8	7.7	4.9	.8					40.9	992	2.84	5.49	.49
APR	41.0	18.2	3.2	8.5	4.7	8.2	7.4	6.1	2.4	.1				40.7	960	3.77	8.40	.95
MAY	48.2	14.1	3.1	7.9	4.8	7.9	6.5	5.0	2.2	.3				37.7	992	3.65	6.41	1.52
JUN	55.5	11.3	2.1	6.5	3.2	5.8	6.5	5.6	3.2	.3				33.2	960	4.06	14.48	1.34
JUL	56.8	13.8	2.0	5.0	3.1	5.0	6.1	4.2	3.7	.1				29.4	992	3.93	7.51	.54
AUG	61.3	10.1	2.1	4.5	2.7	5.8	5.0	5.4	2.9	.2				28.6	960	3.63	9.16	.74
SEP	60.1	11.2	3.2	5.4	3.7	5.2	5.4	4.0	1.8	.1				28.7	930	2.67	7.23	.14
OCT	58.7	12.7	2.6	5.5	4.6	5.6	4.7	4.7	.9					28.6	961	2.45	5.66	.22
NOV	45.6	19.2	3.8	6.1	5.3	7.7	5.9	4.8	1.5					35.2	930	2.83	7.00	.64
DEC	34.0	24.9	5.6	9.4	5.5	8.5	7.1	3.6	1.3	.1				41.1	960	2.94	9.40	.43
ANN	47.4	17.9	3.5	7.2	4.8	6.8	5.9	4.4	1.9	.1				34.7	11525	36.52		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
56	.35	3.61	.65	.54	1.53	.98	.81	1.15	.17	.55	1.15	.71	3.61
57	.75	.80	.39	1.14	2.47	1.68	.98	1.37	.57	1.91	.86	.95	2.47
58	.60	.59	.61	.42	.76	4.45	1.52	2.57	.49	.64	1.92	.41	4.45
59	1.15	2.38	.65	1.64	.54	.64	.79	.89	2.28	1.70	.77	.67	2.28
60	.86	.68	.23	1.08	1.56	.55	1.45	1.98	.66	.62	.46	.41	1.98
61	.30	.97	.86	1.04	.79	.63	1.93	1.80	1.00	.71	.91	.48	1.93
62	1.04	.41	.78	.31	.92	1.27	1.71	1.63	1.17	1.16	.66	.12	1.71
63	.30	.34	1.51	.89	1.10	.90	3.13	.74	.72	.77	.99	.35	3.13
64	.60	.28	1.00	1.53	.61	1.09	2.44	.20	.83	.16	.67	.59	2.44
65	1.38	1.20	.81	1.52	2.52	1.03	1.08	.91	1.17	.57	.72	1.07	2.52
66	.12	.69	1.06	.66	1.00	.62	1.14	1.26	.70	.43	1.59	2.19	2.19
67	1.61	.79	1.12	.72	.92	.56	1.12	.80	1.27	1.41	.67	3.15	3.15
68	1.06	1.01	.30	1.13	2.53	1.30	2.11	1.80	.95	.58	1.18	.96	2.53
69	1.82	.09	.95	1.86	.65	2.05	2.11	1.28	2.43	2.11	1.23	.43	2.43
70	.10	.30	1.27	2.10	1.18	.73	1.64	1.10	1.25	.93	.86	.22	2.10
71	.39	.89	.55	.52	2.86	1.22	1.87	.81	.87	.65	.27	1.51	2.86
72	.38	.22	.43	1.83	.62	1.38	1.38	.72	1.09	.71	1.73	1.35	1.83
73	.43	.25	.73	.61	1.02	2.15	1.26	1.85	.58	.74	1.13	1.18	2.15
74	.60	.44	1.66	.59	1.37	1.11	.46	.74	1.48	.73	.69	.47	1.66
75	.56	1.09	.39	.95	.52	2.22	.70	2.22	1.19	.88	.65	.63	2.22
76	.75	1.57	.53	.67	.64	1.44	1.81	.60	.52	.69	.44	.25	1.81
77	.43	1.10	1.01	1.06	1.06	.55	2.14	2.62	2.65	.96	.35	.61	2.65
78	.57	.60	.80	1.04	.96	.64	1.45	1.44	.56	.54	.73	1.35	1.45
79	.51	.57	.86	1.08	.38	.51	1.25	1.59	.14	1.85	1.06	.80	1.85
80	.25	.61	1.27	.85	.62	1.70	2.49	1.32	.98	.52	.41	.53	2.49
81	.46	.54	.22	.96	1.29	2.65	.89	1.02	.42	.88	.46	.83	2.65
82	.95	.39	.95	1.08	.99	1.41	.80	1.28	.47	.58	.85	.86	1.41
83	.15	.31	.53	.82	2.45	.96	.66	.87	.86	2.29	1.48	1.01	2.45
84	.42	.48	.91	.84	1.87	.93	1.57	.67	1.05	.77	.92	.53	1.87
85	1.04	1.10	.78	1.23	.43	1.39	.88	1.77	.59	.68	1.43	.87	1.77

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725315 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
86	.11	.30	1.34	2.87	.77	1.64	1.51	1.41	1.16	.71	.32	.43	2.87
87	.56	.76	.23	.96	1.65	1.30	1.45						
MEAN	.653	.783	.793	1.077	1.206	1.303	1.454	1.309	.976	.917	.889	.637	2.326
S.D.	.432	.667	.372	.540	.697	.792	.612	.590	.591	.525	.424	.622	.617
TOTAL OBS	984	904	992	960	992	960	992	960	930	961	930	960	11525

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

TOTAL MONTHLY PRECIPITATION IN INCHES													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
56	0.79	5.61	1.77	3.50	4.59	1.92	2.61	*2.73	.41	.76	2.76	2.65	*28.10
57	1.58	1.40	1.12	6.49	6.41	6.58	3.69	3.06	1.50	4.09	2.39	4.60	42.91
58	1.06	.84	.93	1.30	2.42	14.48	6.22	4.94	2.17	.99	4.97	.47	40.79
59	3.29	4.29	3.46	8.40	1.88	1.34	2.25	2.65	3.49	3.54	1.87	2.54	39.00
60	1.67	2.47	.87	2.23	5.41	2.62	4.25	4.36	1.53	1.58	1.82	.91	29.72
61	.54	1.66	5.14	4.29	2.08	2.82	6.27	2.92	3.50	2.15	2.65	1.89	35.91
62	3.70	1.70	2.51	1.15	4.07	4.75	5.42	4.18	2.17	2.59	1.02	.43	33.69
63	.79	1.05	5.01	3.93	3.50	2.47	5.05	1.71	.88	1.29	2.04	.96	28.68
64	2.05	1.16	3.33	6.05	1.87	4.75	5.26	.74	1.96	.22	1.67	2.59	31.65
65	4.45	2.16	2.68	5.67	4.56	3.50	3.54	4.37	3.26	1.99	1.53	2.99	40.90
66	.29	1.61	2.68	2.96	4.34	1.47	2.37	2.86	2.55	1.03	4.88	5.59	32.63
67	2.48	2.22	3.15	4.52	3.94	1.72	2.84	1.92	3.32	4.89	2.52	9.40	42.92
68	2.91	1.94	1.68	2.48	5.98	5.63	3.29	5.02	2.28	1.47	4.61	2.93	40.22
69	4.12	.11	1.53	6.26	2.13	5.00	7.51	2.08	7.11	4.37	3.04	1.40	44.66
70	.67	.69	3.16	5.75	3.46	1.89	5.30	1.67	4.82	3.14	2.66	1.00	34.21
71	1.19	3.40	1.60	.95	5.07	3.81	4.87	2.60	4.20	1.76	1.23	5.80	36.48
72	1.28	.79	2.29	6.84	2.53	3.34	4.31	2.40	7.23	2.62	4.19	3.45	41.27
73	1.50	.95	3.94	3.01	3.50	6.64	5.73	4.26	1.26	3.10	4.06	4.48	42.43
74	2.90	2.08	4.33	2.59	5.94	3.82	.54	3.24	3.60	1.36	2.85	2.92	36.17
75	2.77	2.81	2.15	3.14	1.59	6.13	1.28	9.16	2.13	1.68	2.26	3.01	38.04
76	2.21	3.30	3.15	1.87	2.12	5.71	4.01	1.74	2.13	2.39	.64	.64	29.91
77	1.14	2.09	5.49	2.71	2.08	2.14	4.37	7.48	4.44	2.76	1.76	3.23	39.69
78	2.31	.97	2.37	4.23	3.71	1.59	3.65	3.29	.86	1.97	3.22	4.60	32.97
79	1.91	1.17	3.23	3.43	1.52	1.69	4.56	4.50	.14	4.28	3.64	*1.67	*31.74
80	.56	1.66	4.50	3.21	2.45	5.35	3.73	5.43	1.85	2.01	.68	1.12	32.55
81	.61	1.85	.49	5.64	5.75	7.41	2.87	5.66	1.83	2.87	1.04	2.90	38.92
82	3.91	1.23	4.44	3.24	4.39	3.76	2.29	4.58	1.15	1.46	4.64	4.61	39.70
83	.62	.91	1.95	4.91	4.74	3.22	1.38	2.03	1.64	5.66	4.44	4.29	35.79
84	.76	1.57	4.04	2.77	5.81	2.07	4.69	2.00	3.89	2.50	3.98	2.80	36.88
85	2.02	3.95	4.20	2.16	1.74	2.75	3.63	5.35	1.44	2.29	7.00	2.50	39.03

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

TOTAL MONTHLY PRECIPITATION IN INCHES												
-M-O-N-T-H-S-												
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
86	.29	1.89	2.68	4.28	3.21	5.11	4.79	2.80	3.88	3.14	1.61	1.44
87	2.10	.98	.77	2.60	3.96	4.36	2.84					
MEAN	1.858	1.891	2.839	3.768	3.648	4.058	3.925	3.633	2.665	2.450	2.828	2.538
S.D.	1.191	1.174	1.369	1.857	1.498	2.570	1.565	1.845	1.705	1.264	1.507	1.938
TOTAL OBS	984	904	992	960	992	960	992	960	930	961	930	960

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

MONTH	AMOUNTS IN INCHES															% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
	NONE	TRACE	0.1 TO 0.4	0.5 TO 1.4	1.5 TO 2.4	2.5 TO 3.4	3.5 TO 4.4	4.5 TO 6.4	6.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4	25.5 TO 50.4	OVER 50.4	MEAN	GREATEST			LEAST		
JAN	43.8	30.2	12.5	8.2	2.4	1.5	.5	.5	.3					26.0	984	7.8	22.3	.7		
FEB	54.0	25.1	8.0	7.2	2.3	1.2	.6	1.1	.6					20.9	904	7.9	19.6	1.3		
MAR	66.5	19.8	6.4	4.7	1.3	.6	.2	.5						13.7	992	4.1	11.7	TRACE		
APR	86.2	8.1	1.1	1.4	.4	.4	.2	.1						3.6	960	1.4	11.8	.0		
MAY	99.7	.3													992	TRACE	TRACE	.0		
JUN	100.0														960	.0	.0	.0		
JUL	100.0														992	.0	.0	.0		
AUG	100.0														961	.0	.0	.0		
SEP	99.9	.1													930	TRACE	TRACE	.0		
OCT	98.0	1.8	.1	.1										.2	961	TRACE	.5	.0		
NOV	78.0	14.4	2.8	2.7	1.2	.4	.3	.2						7.6	930	2.5	9.7	TRACE		
DEC	55.7	25.4	7.2	5.9	2.4	1.8	.7	.5	.2	.1				18.9	960	7.7	27.2	.2		
ANN	82.0	10.4	3.2	2.5	.8	.5	.2	.2	.1	.0				7.6	11526	31.4				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-P7

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
56	2.7	4.0	1.8	4.0	.0	.0	.0	.0	.0	.0	.1	2.6	6.0
57	1.8	1.8	.5	2.7	.0	.0	.0	.0	.0	TRACE	.9	3.3	3.3
58	1.2	1.0	1.0	TRACE	TRACE	.0	.0	.0	TRACE	.0	3.5	4.0	4.0
59	2.0	1.0	3.0	.0	.0	.0	.0	.0	.0	.0	2.0	.7	3.0
60	.6	5.0	2.1	TRACE	TRACE	.0	.0	.0	.0	.0	1.6	4.1	5.0
61	3.0	10.2	2.5	2.8	.0	.0	.0	.0	.0	.0	.3	3.6	10.2
62	2.5	3.7	1.7	.1	.0	.0	.0	.0	.0	.1	TRACE	.9	3.7
63	3.0	4.4	.4	TRACE	.0	.0	.0	.0	.0	.0	1.7	3.0	4.4
64	4.0	2.8	3.5	TRACE	.0	.0	.0	.0	.0	.0	2.2	4.5	4.5
65	6.1	7.6	5.0	.0	.0	.0	.0	.0	.0	TRACE	.4	3.0	7.6
66	1.5	5.3	.5	.9	.0	.0	.0	.0	.0	.0	2.3	2.3	5.3
67	1.2	7.3	1.4	.7	.0	.0	.0	.0	.0	TRACE	3.0	1.9	7.3
68	3.8	.8	3.7	.1	.0	.0	.0	.0	.0	.0	.8	1.0	3.8
69	2.8	.8	1.3	TRACE	.0	.0	.0	.0	.0	.0	4.7	4.2	4.7
70	1.0	2.6	2.0	2.0	.0	.0	.0	.0	.0	.0	.9	1.7	2.6
71	1.1	4.8	1.4	TRACE	.0	.0	.0	.0	.0	.0	1.7	.8	4.8
72	3.6	3.5	.5	1.0	.0	.0	.0	.0	.0	.5	2.7	2.2	3.6
73	2.8	.7	3.2	2.8	.0	.0	.0	.0	.0	.0	TRACE	11.5	11.5
74	1.9	2.6	1.5	1.5	.0	.0	.0	.0	.0	.0	4.5	4.0	4.5
75	2.0	3.3	3.2	.6	.0	.0	.0	.0	.0	.0	2.5	6.0	6.0
76	2.7	4.9	4.6	.1	.0	.0	.0	.0	.0	TRACE	.7	2.5	4.9
77	4.3	4.0	5.0	TRACE	.0	.0	.0	.0	.0	.0	3.6	6.0	8.0
78	5.7	6.0	1.3	TRACE	.0	.0	.0	.0	.0	.0	.5	2.2	6.0
79	5.1	5.7	1.1	1.5	.0	.0	.0	.0	.0	TRACE	.8	11.0	5.7
80	2.5	5.5	.9	.1	.0	.0	.0	.0	.0	TRACE	4.0	2.6	5.5
81	4.6	5.0	.5	.0	TRACE	.0	.0	.0	.0	TRACE	.6	5.9	5.9
82	8.5	6.5	2.8	4.3	.0	.0	.0	.0	.0	.0	TRACE	2.0	8.5
83	1.6	2.1	4.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.5	4.9
84	8.5	6.0	5.0	.3	.0	.0	.0	.0	.0	.0	.3	2.1	8.5
85	3.2	10.0	.3	.7	.0	.0	.0	.0	.0	.0	.1	3.0	10.0

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 56-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
86	1.5	3.0	.5	.4	.0	.0	.0	.0	.0	.0	1.0	.2	3.0
87	8.8	2.5	TRACE	TRACE	.0	.0	.0						
MEAN	3.32	4.20	2.10	.89	TRACE	.00	.00	.00	TRACE	.02	1.53	3.28	5.69
S.D.	2.238	2.469	1.582	1.435	.000	.000	.000	.000	.000	.091	1.431	2.315	2.337
TOTAL OBS	984	904	992	960	992	960	992	961	930	961	930	960	11526

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

TOTAL MONTHLY SNOWFALL IN INCHES													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
56	48.3	7.1	4.6	6.0	.0	.0	.0	.0	.0	.0	.1	7.1	33.2
57	5.1	2.1	.5	3.3	.0	.0	.0	.0	.0	TRACE	.9	5.3	17.2
58	3.1	2.2	2.5	TRACE	TRACE	.0	.0	.0	TRACE	.0	3.5	4.2	15.5
59	6.8	2.4	6.7	.0	.0	.0	.0	.0	.0	.0	3.0	2.6	21.5
60	.7	7.6	7.5	TRACE	TRACE	.0	.0	.0	.0	.0	2.8	8.2	26.8
61	4.9	11.0	3.3	7.8	.0	.0	.0	.0	.0	.0	.3	12.5	39.8
62	6.3	9.8	3.1	.1	.0	.0	.0	.0	.0	.1	TRACE	4.0	23.4
63	7.8	10.4	.7	TRACE	.0	.0	.0	.0	.0	.0	1.7	6.9	27.5
64	6.3	11.6	8.1	TRACE	.0	.0	.0	.0	.0	.0	2.3	6.5	34.8
65	7.6	11.6	11.7	.0	.0	.0	.0	.0	.0	TRACE	.4	3.6	34.9
66	1.5	6.0	.8	.9	.0	.0	.0	.0	.0	.0	7.5	6.4	23.1
67	5.3	14.2	5.7	1.2	.0	.0	.0	.0	.0	TRACE	5.7	6.3	38.4
68	12.3	3.1	6.5	.1	.0	.0	.0	.0	.0	.0	1.5	2.4	25.9
69	3.8	1.3	3.4	TRACE	.0	.0	.0	.0	.0	.0	6.6	5.2	24.3
70	5.5	3.5	5.5	2.0	.0	.0	.0	.0	.0	.0	1.6	2.8	20.9
71	4.4	7.4	2.9	TRACE	.0	.0	.0	.0	.0	.0	5.5	1.4	21.6
72	9.6	8.1	1.5	1.8	.0	.0	.0	.0	.0	.5	6.3	4.1	31.9
73	3.9	2.5	5.1	3.6	.0	.0	.0	.0	.0	.0	TRACE	22.7	37.8
74	5.1	7.4	3.6	2.7	.0	.0	.0	.0	.0	.0	9.7	9.6	38.1
75	6.9	8.6	7.2	.6	.0	.0	.0	.0	.0	.0	4.4	10.6	38.3
76	9.1	6.1	4.8	.1	.0	.0	.0	.0	.0	TRACE	1.3	7.7	28.1
77	12.0	7.9	5.6	TRACE	.0	.0	.0	.0	.0	.0	3.9	27.2	56.6
78	16.8	10.2	3.0	TRACE	.0	.0	.0	.0	.0	.0	.5	2.3	32.8
79	13.9	9.6	2.1	1.5	.0	.0	.0	.0	.0	TRACE	1.7	41.3	30.1
80	3.7	15.8	1.5	.1	.0	.0	.0	.0	.0	TRACE	4.9	4.1	30.1
81	6.1	10.2	.7	.0	TRACE	.0	.0	.0	.0	TRACE	.8	14.3	37.1
82	22.3	12.8	5.5	11.8	.0	.0	.0	.0	.0	.0	TRACE	2.2	54.6
83	2.3	3.5	6.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	15.7	27.9
84	12.2	7.7	9.5	.3	.0	.0	.0	.0	.0	.0	.3	3.1	33.1
85	13.9	19.6	.3	.7	.0	.0	.0	.0	.0	.0	.1	13.4	48.0

NOTE \* BASED ON LESS THAN FULL MONTHS

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

TOTAL MONTHLY SNOWFALL IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
86	3.1	10.3	1.0	2.7	.0	.0	.0	.0	.0	.0	1.7	.2	17.0
87	21.6	2.7	TRACE	TRACE	.0	.0	.0						
MEAN	7.84	7.95	4.10	1.42	TRACE	.00	.00	.00	TRACE	.02	2.55	7.72	31.28
S.D.	5.430	4.383	2.925	2.641	.000	.000	.000	.000	.000	.091	2.615	6.457	10.357
TOTAL OBS	984	934	992	960	992	960	992	961	930	961	930	960	11526

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

MONTH	AMOUNTS IN INCHES													OVER 120	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
	NONE	TRACE	1	2	3	4 TO 6	7 TO 12	13 TO 24	25 TO 36	37 TO 48	49 TO 60	61 TO 120	MEAN				GREATEST	LEAST	
JAN	33.1	14.4	15.9	10.0	4.7	13.2	7.5	1.1							52.5	991			
FEB	41.0	17.7	12.3	7.0	3.7	6.7	4.6	6.5	.4						41.3	904			
MAR	73.2	10.9	6.7	2.6	1.7	2.5	2.4								15.9	992			
APR	95.7	2.4	1.3	.1	.1	.3	.1								1.9	960			
MAY	100.0															992			
JUN	100.0															960			
JUL	100.0															992			
AUG	100.0															961			
SEP	100.0															930			
OCT	100.0															961			
NOV	91.0	4.3	2.6	.9	.9	.4									4.7	930			
DEC	54.4	15.8	10.4	7.6	4.1	5.1	1.6	1.0							29.8	960			
ANN	82.4	5.5	4.1	2.3	1.3	2.3	1.3	.7	.0						12.2	11533			

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

YEAR	DAILY SNOW DEPTH IN INCHES -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
56	45	6	3	TRACE	0	0	0	0	0	0	TRACE	4	6
57	2	1	1	2	0	0	0	0	0	0	1	3	3
58	1	3	1	TRACE	0	0	0	0	0	0	2	4	4
59	2	2	2	0	0	0	0	0	0	0	2	1	2
60	1	7	9	0	0	0	0	0	0	0	1	5	9
61	3	5	1	4	0	0	0	0	0	0	TRACE	6	6
62	4	5	2	TRACE	0	0	0	0	0	0	TRACE	2	5
63	6	7	7	0	0	0	0	0	0	0	0	4	7
64	6	7	6	0	0	0	0	0	0	0	1	7	7
65	7	10	5	0	0	0	0	0	0	0	0	2	10
66	1	5	1	1	0	0	0	0	0	0	3	3	5
67	4	6	3	1	0	0	0	0	0	0	3	3	6
68	13	1	5	0	0	0	0	0	0	0	0	0	13
69	3	1	1	0	0	0	0	0	0	0	4	5	5
70	6	3	2	1	0	0	0	0	0	0	TRACE	2	6
71	2	5	1	TRACE	0	0	0	0	0	0	1	TRACE	5
72	4	3	TRACE	TRACE	0	0	0	0	0	0	TRACE	1	4
73	1	TRACE	5	3	0	0	0	0	0	0	0	14	14
74	9	3	1	TRACE	0	0	0	0	0	0	3	5	9
75	3	5	3	1	0	0	0	0	0	0	3	9	9
76	4	7	5	0	0	0	0	0	0	0	1	4	7
77	16	18	4	0	0	0	0	0	0	0	4	23	23
78	14	25	10	0	0	0	0	0	0	0	1	2	25
79	11	18	1	TRACE	0	0	0	0	0	0	2	43	18
80	1	7	5	1	0	0	0	0	0	0	4	3	7
81	6	3	1	0	0	0	0	0	0	0	1	7	7
82	7	19	3	7	0	0	0	0	0	0	TRACE	2	19
83	2	2	6	0	0	0	0	0	0	0	0	8	8
84	11	11	8	0	0	0	0	0	0	0	0	3	11
85	8	10	0	1	0	0	0	0	0	0	TRACE	4	10

NOTE \* BASED ON LESS THAN FULL MONTHS

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

DAILY SNOW DEPTH IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	ALL MONTHS
86	2	4	1	TRACE	0	0	0	0	0	0	TRACE	TRACE	4
97	10	3	TRACE	0	0	0	0						
MEAN	5.5	6.6	3.2	.7	.0	.0	.0	.0	.0	.0	1.2	4.5	8.6
S.D.	4.218	5.885	2.744	1.491	.000	.000	.000	.000	.000	.000	1.400	4.584	5.564
TOTAL OBS	991	904	992	960	992	960	992	961	930	961	930	960	11533

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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## SURFACE WIND SUMMARIES

### EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

### BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IS GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.



GLOBAL CLIMATOLOGY BRANCH  
LSAFETYAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 50-87

DAILY PEAK GUSTS IN KNOTS -P-O-N-T-H-S-													ALL MONTHS
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	
56												S 31	
59	SW 37	WSW 44	WSW 45	SSW 36	WSW 32	NNW 27	W 25	NE 27	W 31	W 28	SSW 31	S 25	WSW 45
60	NNW 27	WSW 31	W 44	SSW 59	SSW 50	SSW 32	NNW 42	W 30	W 25	SSW 34	W 37	ENE 31	SSW 59
61	SSW 34	E 38		NNW 48	SSE 40	WSW 37	NW 35	NNE 26	W 38	W 31	SW 36	W 40	
62	WSW 36	W 39	ENE 32	W 49	SW 38	E 28	NNW 35	NNE 64	W 28	NNW 33	W 37	NNW 32	NNE 64
63	W 33	NNW 31	W 49	W 40	SW 37	NW 22	NNW 26	N 43	SSW 25	SW 26	WSW 41	WSW 31	W 49
64	SW 44	W 31	SSW 50	W 38	WSW 37	S 40	S 25	NNW 37	W 32	W 35	WSW 46	WSW 31	SSW 50
65	NNE 39	NNW 40	WSW 47	SSW 45	SSW 44	WSW 42	ENE 37	W 40	W 50	W 36	W 42	SSW 40	W 50
66	W 37	W 36	W 40	NW 38	WSW 42	WSW 32	NW 53	NNW 22	W 34	W 38	NW 41	SSW 47	NW 53
67	WSW 35	W 49	N 36	W 40	S 38	W 25	NNE 41	NNW 28	WSW 24	SSW 33	W 38	W 44	W 49
68	W 35	W 36	NE 33	WSW 48	W 52	W 34	25/ 56	30/ 34	16/ 25	26/ 36	21/ 52	28/ 47	25/ 56
69	27/ 38	36/ 32	24/ 54	24/ 46	23/ 38	35/ 39	23/ 30	22/ 24	33/ 22	18/ 27	33/ 30	29/ 30	24/ 54
70	28/ 34	36/ 34	28/ 31	21/ 44	20/ 34	27/ 37	28/ 49	24/ 26	19/ 28	29/ 33	29/ 50	27/ 52	27/ 52
71	29/ 55	23/ 56	26/ 45	28/ 36	23/ 39	31/ 30	24/ 30	33/ 38	28/ 34	22/ 35	30/ 46	20/ 56	23/ 56
72	28/ 44	34/ 32	23/ 38	34/ 37	21/ 38	32/ 33	33/ 28	17/ 38	35/ 30	20/ 31	7/ 36	26/ 39	28/ 44
73	26/ 41	17/ 32	31/ 42	25/ 49	20/ 39	30/ 50	26/ 40	27/ 36	23/ 30	11/ 44	14/ 39	22/ 40	30/ 50
74	24/ 56	26/ 50	22/ 44	23/ 60	24/ 43	30/ 46	22/ 28	16/ 24	28/ 28	24/ 28	24/ 34	27/ 31	23/ 60
75	21/ 59	28/ 52	31/ 42	26/ 47	23/ 38	17/ 52	12/ 33	36/ 36	34/ 30	30/ 40	25/ 51	21/ 41	21/ 59
76	27/ 36	25/ 54	21/ 46	2/ 39	22/ 40	21/ 41	30/ 42	25/ 34	33/ 29	26/ 37	30/ 40	33/ 37	25/ 54
77	29/ 47	17/ 44	21/ 44	21/ 39	28/ 37	29/ 46	29/ 46	30/ 29	18/ 29	26/ 28	27/ 36	24/ 39	29/ 47
78	26/ 44	27/ 25	5/ 52	22/ 39	27/ 38	28/ 39	31/ 55	23/ 31	28/ 26	28/ 31	24/ 39	29/ 41	31/ 55
79	27/ 36	4/ 38	17/ 42	30/ 45	27/ 38	29/ 42	32/ 26	31/ 29	36/ 25	30/ 40	22/ 43	28/ 48	28/ 48
80	28/ 51	2/ 46	32/ 38	29/ 46	27/ 44	29/ 49	30/ 54	33/ 44	33/ 38	26/ 36	20/ 32	32/ 34	30/ 54
81	28/ 33	16/ 31	17/ 45	24/ 45	5/ 24	27/ 38	24/ 37	24/ 30	21/ 42	27/ 44	27/ 42	24/ 37	17/ 45
82	27/ 47	21/ 32	23/ 47	25/ 51	27/ 33	22/ 26	22/ 30	35/ 22	31/ 26	25/ 40	25/ 49	24/ 43	25/ 51
83	27/ 39	21/ 32	19/ 34	25/ 38	18/ 44	13/ 26	36/ 32	25/ 24	23/ 28	26/ 38	25/ 36	29/ 37	18/ 44
84	21/ 27	4/ 36	2/ 34	24/ 54	28/ 37	32/ 41	30/ 44	20/ 28	23/ 49	18/ 32	26/ 41	27/ 46	24/ 54
85	28/ 42	30/ 38	29/ 44	25/ 39	23/ 37	32/ 35	27/ 32	22/ 24	32/ 26	27/ 37	26/ 44	27/ 49	27/ 49
86	29/ 36	6/ 38	27/ 45	27/ 37	33/ 33	32/ 41	30/ 38	31/ 40	28/ 48	21/ 32	26/ 30	28/ 34	28/ 48
87	26/ 32	33/ 44	27/ 35	34/ 40	36/ 32	31/ 40	28/ 42						
PEAK	39.6	39.0	42.0	44.2	38.7	37.3	37.5	33.3	31.3	34.6	40.1	40.0	52.2
S.D.	8.175	8.126	6.200	6.772	5.537	7.589	9.833	9.373	7.818	9.949	6.222	7.416	3.858
TOTAL OBS	888	803	835	851	875	818	860	826	811	853	830	872	1012

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 74-87  
MONTH: JAN HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	2.3	1.1	.9								5.4	6.3
NNE	.5	.8	.5	.6								2.5	7.3
NE	.4		.6	.4								1.5	8.3
ENE	.2	1.0	1.0	.6	.1							2.9	8.1
E	.5	1.4	2.2	.5	.1							4.7	7.6
ESE	.3	1.3	.6	.4								2.7	6.6
SE	.9	.5	.1	.2								1.7	4.6
SSE	.8	1.0	1.4	.4								3.5	7.1
S	1.2	2.4	.6	1.1	.3							5.6	7.1
SSW	.3	1.7	2.5	1.0	.1	.1						5.7	8.3
SW	.4	1.6	2.9	2.9	.1							8.0	9.2
WSW	.8	2.0	2.3	2.2	.2	.1						7.5	8.8
W	1.8	5.3	6.3	4.9	2.2	1.4	.2					22.2	10.5
WNW	.8	1.6	3.0	3.2	1.9	.3						10.9	11.3
NW	.3	1.3	2.3	1.7	.2							5.8	9.3
NNW	.6	1.7	.9	.8								4.0	7.1
VARIABLE													
CALM	////////////////////											5.5	////
TOTALS	11.1	25.8	28.3	21.9	5.3	1.9	.2					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	2.7	1.1	.5								5.6	6.0
NNE	.4	.8	.8									1.9	5.9
NE	.1	.8	.5	.8	.2							2.4	9.1
ENE	.1	.4	1.0	.6								2.2	9.0
E	.6	1.5	2.0	1.0								5.2	7.4
ESE	.6	1.2	.4	.2	.1							2.6	6.1
SE	.9	.6	.5	.2								2.3	5.6
SSE	1.4	1.1	1.2	.4								4.1	6.0
S	.6	1.6	1.4	.6	.4							4.7	7.8
SSW	.2	1.4	2.3	.6								4.5	7.8
SW	1.1	1.4	2.6	1.4	.1		.1					6.7	8.5
WSW	.8	2.4	1.6	1.6	.4	.1						6.9	8.6
W	1.5	4.3	6.9	6.3	1.6	1.3	.2	.1				22.3	10.8
WNW	.8	2.3	3.8	2.8	1.0	.2						10.8	10.0
NW	.3	1.6	2.5	1.5	.4							6.3	9.4
NNW	.8	1.3	1.2	1.0	.1							4.3	7.7
VARIABLE													
CALM	////////////////////											7.4	////
TOTALS	11.5	25.3	29.7	19.7	4.4	1.6	.3	.1				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.3	.9	1.1							4.0	7.2
NNE	.4	.8	.5	.2		.1					2.0	7.1
NE	.4	.8	1.1	.6	.3	.1					3.3	9.2
ENE	.8	.5	1.4	.5							3.2	7.0
E	.6	.4	1.3	1.0	.3						3.7	8.9
ESE	.3	1.0	.9	.2							2.4	6.9
SE	.8	1.0	1.4	.2							3.3	6.5
SSE	1.2	1.0	.9	.5							3.5	6.2
S	1.7	2.2	1.1	1.4	.1						6.5	6.6
SSW	1.2	1.5	2.2	.8	.2						5.8	7.5
SW	.3	2.5	2.4	1.1		.2					6.5	7.9
WSW	.9	1.5	2.4	3.0	.3	.3	.2				8.6	10.5
W	1.5	3.2	6.8	4.5	2.6	1.0	.1				19.7	10.8
WNW	.8	2.5	3.1	2.7	.8	.3					10.1	10.0
NW	1.4	1.7	2.0	1.6	.1						6.9	7.8
NNW	.8	1.0	1.1	.3	.1						3.2	6.8
VARIABLE												
CALM	////////////////////////////////////										7.3	////
TOTALS	13.8	22.7	29.2	19.8	4.8	2.0	.3				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 7A-87  
MONTH: JAN HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	1.3	1.4	1.6								4.6	8.1
NNE	.3	.5	1.1	.5	.1	.1						2.7	8.6
NE	.4	.9	1.5	.3	.1							3.2	7.9
ENE	.3	.3	1.0	.6								2.3	8.7
E	.5	1.4	1.5	1.6								5.1	8.3
ESE	.6	.6	.5	.3	.1							2.3	7.2
SE	.4	.5	1.7	.5	.1							3.3	8.2
SSE	.2	.5	1.6	.4	.2							3.0	9.0
S	1.0	2.3	1.9	1.6								6.8	7.5
SSW	.1	2.3	2.2	1.7	.1	.1						6.5	8.9
SW	.5	1.6	1.7	1.8		.1						5.8	8.8
WSW	.3	1.0	1.9	2.9	.1	.4	.6					7.3	12.6
W	1.1	2.5	5.9	6.8	3.0	1.0						20.2	11.7
WNW	1.4	1.8	3.9	4.3	1.1	.5						13.0	10.4
NW	.2	1.9	1.4	2.0	.1							5.7	8.8
NNW	.6	1.2	.4	.4								2.7	6.2
VARIABLE													
CALM	////////////////////											5.6	////
TOTALS	9.8	20.6	29.4	27.6	5.1	2.3	.6					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.4	2.5	2.5	1.7	.1				7.2	8.0
NNE		.8	1.0	.3	.1	.2			2.4	9.8
NE	.4	.5	.6	.3	.1				2.0	7.5
ENE	.5	.8	1.5	.4	.1				3.3	7.5
E	.4	.6	1.2	.9	.2	.1			3.4	9.3
ESE	.5	2.3	1.2	.5					4.5	6.7
SE		.9	.9	.9					2.6	9.1
SSE	.3	.4	.8	.9	.4				2.8	10.2
S	.3	1.6	1.7	1.9	.3				5.9	9.3
SSW	.2	1.0	2.8	2.6	.4				7.0	10.3
SW	.1	1.2	1.1	1.9	.4				4.7	10.1
WSW	.2	1.3	3.0	1.9	1.3	.2	.5		8.5	12.5
W	.6	1.9	5.4	7.7	4.1	1.1	.5		21.4	13.2
WNW	1.1	1.9	3.0	4.0	1.7	.3	.2		12.3	11.4
NW	.2	1.0	1.6	2.4	.5	.3			6.0	11.3
NNW	.2	1.3	1.1	1.2	.3				4.1	9.6
VARIABLE										
CALM	////////////////////////////////////								1.8	////
TOTALS	5.7	19.9	29.2	29.6	10.2	2.3	1.3		100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 79-87  
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	2.6	2.8	1.3	.1							8.1	7.4
NNE	.3	.2	.9	.6								2.0	8.7
NE	.3	.3	1.4	.2								2.3	7.3
ENE	.1	.4	.9	.9	.2							2.5	10.3
E	.5	1.4	.8	.4	.3							3.4	7.5
ESE	.4	1.8	1.3	.5								4.1	7.3
SE	.3	.8	1.3	.6								3.0	7.9
SSE	.1	.5	1.0	1.0	.2							2.8	10.1
S	.3	1.5	1.9	2.2	.2	.1						6.2	9.5
SSW	.2	1.0	2.8	1.3	.2							5.5	9.2
SW	.5	1.7	.9	1.8	.1							5.1	8.5
WSW		1.8	2.4	2.0	.6	.4						7.3	10.8
W	.9	3.8	6.7	7.3	4.2	1.0	.9	.1				24.7	12.7
WNW	.4	1.1	2.2	3.3	1.5	.4						9.9	12.2
NW	.2	.9	2.5	2.6	1.0	.3						7.4	11.6
NNW	.3	1.1	1.3	1.3								4.0	8.5
VARIABLE													
CALM	////////////////////											2.7	////
TOTALS	6.3	20.9	30.8	27.4	8.7	2.3	.9	.1				100.3	10.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	3.1	1.5	.5								6.9	5.7
NNE	.1	.8	.5	.3								1.7	7.2
NE	.1	1.2	.5	.2								2.0	6.4
ENE		1.0	.3	.8	.2							2.3	10.3
E	.4	2.0	1.0	1.3								4.7	7.8
ESE	.5	.9	.6	.5								2.6	7.0
SE	.5	.5	1.1	.4	.1							2.7	7.8
SSE	1.0	1.2	1.4	.8	.1	.1						4.5	7.6
S	.9	1.6	2.6	2.0	.1	.1	.1					7.4	8.8
SSW	.9	1.6	1.9	.6	.3							5.4	7.7
SW	.9	1.2	1.4	1.2								4.6	7.7
WSW	.5	1.2	1.3	2.3	.5		.1					5.9	10.6
W	1.5	4.7	6.1	5.5	1.5	1.0	.8	.1				21.2	11.0
WNW	.8	1.6	3.7	3.9	1.5	.3	.1					11.4	11.0
NW	.2	1.2	1.6	2.4	.3							5.7	10.3
NNW	.8	1.4	1.4	.9	.1							4.5	7.7
VARIABLE													
CALM	////////////////////											6.3	////
TOTALS	10.2	25.2	27.0	23.5	4.8	1.5	1.1	.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	1.5	1.6	.5							5.3	5.9
NNE	.3	.8	.8	.5							2.4	7.5
NE	.2	.4	.9								1.5	6.3
ENE	.3	1.0	1.1	.6							3.0	8.0
E	1.0	1.4	1.3	1.3	.1						5.1	7.4
ESE	.6	1.5	.8	.3							3.2	5.8
SE	.3	1.0	.4	.6	.1						2.5	7.8
SSE	.5	1.2	.6	.8	.1						3.2	7.6
S	.4	1.4	2.0	1.5	.4	.2					6.0	9.8
SSW	.9	1.6	2.7	1.8	.2						7.2	8.5
SW	.3	1.7	1.5	2.2	.1						5.8	9.0
WSW	.6	1.4	2.2	2.8	.4						7.4	9.8
W	1.1	4.3	4.5	4.2	2.4	.4	.8	.2			17.8	11.6
WNW	.5	1.8	4.3	3.8	1.4	.2					12.0	10.8
NW	.2	2.0	2.9	1.8	.5						7.5	9.3
NNW	1.1	.9	.8	.9							3.5	6.9
VARIABLE												
CALM	////////////////////										6.5	////
TOTALS	10.1	23.9	26.3	23.7	5.8	.9	.8	.2			100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.2	1.6	1.0	.0							5.9	6.8
NNE	.3	.7	.8	.4	.0	.1						2.2	7.8
NE	.3	.6	.9	.4	.1	.0						2.3	7.9
ENE	.3	.7	1.0	.6	.1							2.7	8.5
E	.6	1.3	1.4	1.0	.1	.0						4.4	7.9
ESE	.5	1.3	.8	.4	.0							3.0	6.7
SE	.5	.7	.9	.5	.0							2.7	7.3
SSE	.7	.9	1.1	.6	.1	.0						3.4	7.8
S	.8	1.8	1.7	1.5	.2	.1	.0					6.1	8.3
SSW	.5	1.5	2.4	1.3	.2	.0						5.9	8.6
SW	.5	1.6	1.8	1.8	.1	.0	.0					5.9	8.7
WSW	.5	1.6	2.1	2.3	.5	.2	.2					7.4	10.6
W	1.2	3.7	6.1	5.9	2.7	1.0	.4	.1				21.2	11.6
WNW	.8	1.8	3.4	3.5	1.4	.3	.0					11.2	10.9
NW	.4	1.5	2.1	2.0	.4	.1						6.4	9.7
NNW	.6	1.2	1.0	.8	.1							3.8	7.7
VARIABLE													
CALM	////////////////////											5.3	////
TOTALS	9.8	23.0	29.0	24.2	6.1	1.8	.7	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	.9	2.4	1.1	.6						6.5	8.3
NNE	.7	.5	.2	.6							2.0	6.3
NE	1.1	1.3	1.1	.6	.5						4.5	7.7
ENE	.8	2.6	2.0	.9	.7	.1					7.2	8.3
E	.9	2.6	1.9	.8	.1						6.4	6.7
ESE	.6	1.1	.9	.1							2.7	5.6
SE	1.3	1.2	.1	.1							2.7	4.2
SSE	1.8	2.1	.9	.8							5.7	5.7
S	2.5	2.6	1.7	.4	.1						7.2	5.2
SSW	1.2	2.1	1.4	1.9	.1						6.7	7.6
SW	1.1	1.7	.7	1.3	.2						5.0	7.7
WSW	.7	2.1	1.4	.7	.1						5.1	7.1
W	2.5	3.7	4.3	3.7	.6						14.7	8.1
WNW	.6	1.3	1.7	2.2	.1	.2					6.1	9.5
NW	.2	1.4	.8	.1							2.6	6.1
NNW	.2	1.2	1.7	.7							3.8	7.6
VARIABLE												
CALM	////////////////////										11.1	////
TOTALS	17.7	28.4	23.2	16.1	3.2	.4					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	
N	1.2	2.1	2.7	.9	.2	.1					7.3	7.7
NNE	.6	.5	.5	.4	.1						2.0	7.1
NE	.4	.8	.7	1.4	.2						3.5	9.5
ENE	.6	3.0	3.0	1.1	.5						4.0	8.2
E	.7	1.4	2.2	.6							5.0	7.4
ESE	.8	1.1	1.1	.5							3.4	6.3
SE	1.9	.5	.9								3.3	4.3
SSE	1.7	1.9	.9	.2							4.7	5.3
S	2.6	4.0	1.9	.5	.1						9.1	5.4
SSW	.9	1.4	1.5	1.2							5.1	7.4
SW	.7	2.7	1.3	.9	.1						5.8	7.0
WSW	1.3	.9	1.4	.5	.4						4.5	6.9
W	1.9	3.8	4.4	3.9	.6						14.5	8.4
WNW	.9	1.4	1.9	1.5	.2	.2					6.3	8.8
NW	.7	1.5	.9	.2							3.4	5.8
NNW	.5	.6	.6	.6	.1						2.4	8.0
VARIABLE												
CALM	////////////////////										11.6	////
TOTALS	17.4	27.7	26.0	14.4	2.6	.4					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	.8	1.7	.9	.2	.2					5.3	8.0
NNE	.5	.8	1.2	.5	.2						3.2	8.2
NE	.5	.7	.9	.7	.2	.1					3.2	9.2
ENE	.7	2.1	3.2	1.8	.5						9.3	8.4
E	1.2	1.7	1.5	.7	.2						5.3	7.1
ESE	1.4	1.7	.6	.8							4.5	6.1
SE	1.2	.8	.6		.1						2.7	5.4
SSE	1.5	2.1	1.2	.2							5.1	5.2
S	2.5	3.3	1.3	1.3							9.4	5.9
SSW	.5	2.1	2.5	.8							5.9	7.2
SW	.9	1.3	1.3	.7	.6						4.8	7.9
WSW	1.7	2.4	.9	1.1	.2						6.3	6.6
W	1.3	2.6	2.6	4.1	.8						11.5	9.5
WNW	.9	1.7	1.3	1.4	.4						5.7	8.3
NW	.8	1.5	1.5	.8							4.7	6.8
NNW	.7	.4	.5		.4	.1					2.0	8.8
VARIABLE												
CALM	////////////////////										13.1	////
TOTALS	17.7	26.0	22.0	16.0	3.9	.5					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	.7	1.3	1.5	.1	.2					4.8	9.5
NNE	.4	.4	.8	.6	.1	.1					2.4	9.7
NE	.7	.7	1.5	1.1	.5	.1					4.6	9.8
ENE	.5	1.3	3.5	1.8	.2						7.3	8.7
E	.4	2.7	2.1	1.1	.4						6.6	7.9
ESE	1.4	2.0	.9	.9	.1						5.4	6.5
SE	.7	1.1	1.1	.5							3.3	6.9
SSE	.6	2.7	.9	.7							5.0	6.5
S	.9	2.6	3.2	1.4	.2						8.4	7.8
SSW	.9	1.8	2.6	1.9	.1						7.3	8.3
SW	.5	.9	1.2	1.4	.1						4.1	8.8
WSW	1.4	1.3	1.7	1.4	.6						6.4	8.2
W	1.5	4.4	4.4	3.8	1.3	.1					15.5	9.1
WNW	.7	.5	.8	.9	.6						3.5	9.7
NW	.8	.9	1.2	.7							3.7	7.1
NNW	.6	.7	1.1	.5	.1	.4					3.3	9.1
VARIABLE												
CALM	////////////////////										8.3	////
TOTALS	13.0	24.7	28.4	20.2	4.5	.9					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.7	1.2	2.1	1.9	.4			6.3	9.0
NNE	.1	.7	.8	.2	.1	.2		2.2	9.8
NE	.1	.2	.7	1.1	.1	.1		2.4	11.8
ENE	.6	1.1	2.2	2.0	1.2			7.1	10.6
E	.9	2.7	1.7	1.3				6.6	6.9
ESE	1.2	1.3	.7	1.3				4.5	7.3
SE	.4	1.3	.8	.2				2.7	6.6
SSE	.5	1.7	1.7	.2				4.0	6.6
S	.9	2.4	3.8	1.3				8.4	7.6
SSW	.7	1.7	3.2	2.2	.2			8.0	8.8
SW	1.1	1.5	1.5	1.5	.1			5.8	7.7
WSW	1.1	1.4	2.0	1.5	.8			6.9	9.2
W	1.3	4.7	4.1	5.7	1.7	.6		18.1	10.2
WNW	.7	1.3	1.1	1.9	.4			5.3	9.4
NW	.6	.6	1.8	.9				3.9	8.2
NNW	.6	.4	1.2	.7		.7		3.5	11.2
VARIABLE									
CALM	////////////////////							4.3	////
TOTALS	11.5	24.1	29.4	24.1	5.0	1.7		100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	2.4	2.2	1.8	.4	.2	.1				7.7	9.4
NNE	.4	.5	1.4	.7		.4					3.3	10.2
NE	.4	.5	1.3	1.2	.4	.2					3.9	11.2
ENE	.6	1.2	1.1	1.9	.5	.2					5.4	10.6
E	1.2	1.8	1.9	1.1							5.9	7.3
ESE	1.1	1.8	.9	.8							4.6	6.5
SE	.5	.7	.5	.1							1.8	5.7
SSE	.4	1.7	1.3	.1							3.4	6.2
S	.7	2.4	1.9	1.1							6.0	6.9
SSW	.6	2.0	3.1	1.8							7.4	8.1
SW	.9	2.0	1.7	1.9	.5						7.0	8.6
WSW	1.2	1.4	2.2	1.7	.2						6.7	8.3
W	.9	4.0	6.7	5.6	1.5	.6					19.4	10.3
WNW	.2	1.5	1.1	2.1	.1						5.1	9.7
NW	.5	1.9	.8	.5	.6	.1					4.4	8.7
NNW	.2	1.5	1.1	.5	.4		.1				3.8	9.4
VARIABLE												
CALM	////////////////////											4.1
TOTALS	10.3	27.2	29.2	22.7	4.5	1.8	.2				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 846



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.9	2.8	1.8	.8	.5	.5						8.3	7.8
NNE	.5	1.2	.8	.2	.2							3.0	7.1
NE	.2	1.1	1.5	1.1	.6	.1						4.6	9.8
ENE	.6	2.1	1.3	1.8	.6							6.4	9.0
E	.8	2.1	1.8	1.4								6.1	7.4
ESE	1.3	.8	.7	.7								3.5	6.1
SE	1.2	.9	.2	.1								2.5	4.0
SSE	2.2	2.7	.2	.2								5.4	4.1
S	2.2	2.6	1.2	.9								7.0	5.9
SSW	.6	2.7	2.1	.6								6.0	6.9
SW	1.1	2.4	1.7	.6	.2							5.9	6.9
WSW	.7	1.7	.9	1.9	.2							5.4	8.0
W	2.2	4.8	4.0	3.4	1.8							16.3	8.8
WNW	.8	.9	1.9	1.1	.1							4.8	8.1
NW	.5	1.2	.2	.6		.2						2.7	8.2
NNW	.7	1.5	.5	1.2	.4							4.3	8.1
VARIABLE													
CALM	////////////////////											7.7	////
TOTALS	17.6	31.7	20.9	16.7	4.6	.8						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	1.9	1.8	1.3	.4						6.5	7.7
NNE	1.1	.5	.4	.2	.4	.1					2.6	8.2
NE	1.1	1.7	.8	1.2	.1						4.8	6.9
ENE	.9	2.0	1.7	1.1	.6	.4					6.6	8.9
E	1.2	1.4	1.1	.7	.2						4.6	7.3
ESE	1.3	1.3	1.3	.2							4.1	5.7
SE	1.1	1.5	.8	.6							4.0	5.9
SSE	1.9	3.2	.5	.1							5.7	4.5
S	1.8	3.1	1.3	1.3	.1	.1					7.7	6.7
SSW	.8	2.0	2.0	1.3	.4	.1					6.6	8.3
SW	1.3	2.0	.7	.8	.2						5.1	6.8
WSW	.8	1.9	1.2	1.5	.2						5.7	8.0
W	1.3	5.0	4.1	3.0	1.7						15.0	8.7
WNW	.2	1.8	1.8	.8		.1					4.7	8.1
NW	1.1	1.2	.7	.5		.1					3.5	6.1
NNW	.2	1.5	.9	.7							3.4	7.3
VARIABLE												
CALM	////////////////////										9.2	////
TOTALS	17.3	31.9	21.0	15.4	4.3	.9					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.2	1.6	2.0	1.3	.3	.2	.0		6.6	8.4
NNE	.5	.6	.8	.4	.1	.1			2.6	8.4
NE	.5	.9	1.1	1.0	.3	.1			3.9	9.3
ENE	.7	1.9	2.2	1.5	.6	.1			7.0	9.0
E	.9	2.1	1.8	1.0	.1				5.9	7.2
ESE	1.1	1.4	.9	.7	.0				4.1	6.3
SE	1.0	1.0	.6	.2	.0				2.9	5.4
SSE	1.3	2.3	1.0	.3					4.9	5.4
S	1.8	2.9	2.0	1.0	.1	.0			7.8	6.4
SSW	.8	2.0	2.3	1.5	.1	.3			6.6	7.9
SW	.9	1.8	1.3	1.2	.3				5.4	7.7
WSW	1.1	1.6	1.5	1.3	.4				5.9	7.8
W	1.6	4.1	4.3	4.1	1.2	.2			15.6	9.2
WNW	.7	1.3	1.4	1.5	.2	.1			5.2	8.9
NW	.7	1.3	1.0	.5	.1	.1			3.6	7.2
NNW	.5	1.0	.9	.6	.2	.1	.0		3.3	8.7
VARIABLE										
CALM	////////////////////////////////////								8.7	////
TOTALS	15.3	27.7	25.1	18.2	4.1	.9	.0		100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	2.6	2.4	1.5	.1						8.3	7.1
NNE	.5	1.4	1.3	.3	.1						3.7	6.9
NE	.6	.3	.9	1.1							2.9	8.8
ENE	1.0	.8	4.1	2.0	.5	.1					8.5	9.4
E	.6	3.2	2.6	2.7	.2						9.4	8.8
ESE	1.0	1.5	1.7	.3	.1						4.6	6.3
SE	.5	1.3	.9	.4							3.1	7.0
SSE	1.1	1.2	1.1	.4							3.8	6.2
S	1.4	2.6	2.3	.8	.3						7.3	7.1
SSW	1.3	.5	3.3	.5		.1					5.8	7.4
SW	1.1	2.4	1.4	1.6	.1	.2					6.4	7.8
WSW	.9	.9	1.2	.8	.1						3.8	7.6
W	2.2	2.2	2.7	1.8	1.1	.4					10.3	8.9
WNW	.8	.6	1.4	1.5	.6	.4	.1				5.5	11.5
NW	.4	2.0	1.5	.9	.2						5.1	8.2
NNW	.8	.9	1.9	.5	.3						4.5	8.0
VARIABLE												
CALM	////////////////////////////////////										6.8	////
TOTALS	15.8	24.3	30.5	17.3	3.9	1.3	.1				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	1.4	1.9	1.2	.1						6.2	7.3
NNE	1.1	.6	.4	.4							2.6	6.0
NE	.4	1.0	1.3	1.1	.2						4.0	8.8
ENE	.6	1.5	2.8	2.4	.3						7.6	9.4
E	1.2	2.2	1.9	2.9	.1						8.3	8.8
ESE	.6	1.5	1.9	.1	.1						4.3	6.5
SE	.6	1.5	1.1	.5	.2						4.0	7.1
SSE	.8	1.8	1.5	.6							4.7	6.8
S	.5	2.0	1.8	1.0							5.4	7.3
SSW	1.1	1.9	2.6	1.1	.1						6.8	7.3
SW	1.4	1.5	1.9	1.6	.1						6.6	7.5
WSW	1.7	1.3	.4	.6	.3						4.4	6.3
W	.5	3.1	2.8	1.9	.8	.4					9.6	9.3
WNW	.3	1.7	1.6	1.6	.8	.3					6.3	10.4
WW	1.2	1.7	1.7	.9	.3						5.8	7.4
NNW	1.1	1.5	1.3	.9	.1						4.8	6.9
VARIABLE												
CALM	////////////////////										8.6	////
TOTALS	14.8	26.3	27.1	16.8	3.5	.8					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(1571): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	2.4	2.0	1.1	.1						7.1	6.8
NNE	.1	.6		.3							1.1	7.6
NE	1.0	1.8	1.1	1.8							5.7	7.9
ENE	1.2	1.2	1.7	2.7	.9	.1					7.7	10.1
E	.8	2.0	3.0	1.9	.1	.1					9.0	8.5
ESE	.9	1.0	1.6	.3							3.8	6.7
SE	.3	1.6	1.9	.6							4.5	7.6
SSE	1.0	1.7	2.2	.4							5.3	6.8
S	1.2	1.7	2.2	1.2	.1						6.3	7.4
SSW	1.5	2.0	2.6	1.3		.1					7.5	7.2
SW	.4	1.5	1.7	1.8							5.5	8.2
WSW	1.4	.6	.5	1.4	.1	.1					4.2	7.8
W	.8	2.0	3.0	2.7	.6	.1					9.5	9.6
WNW	.8	1.3	2.2	1.1	.8						6.0	8.7
NW	1.0	1.9	1.1	1.1							5.1	7.1
NNW	1.2	1.1	1.3	.9	.1						4.5	7.1
VARIABLE												
CALM	////////////////////										9.3	////
TOTALS	14.8	24.6	28.3	20.6	2.8	.5					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.0	2.8	1.9	1.6	.5				7.8	8.0
NNE	.1	.8	.3	.5					1.7	8.1
NE	.4	1.2	1.3	1.6	.3				4.8	9.5
NNE	.3	.6	1.7	2.8	.4				5.9	11.1
E	.4	1.8	2.9	2.6	1.3				9.0	10.1
ESE	.4	1.6	1.6	.2					3.9	6.7
SE	.5	.8	2.4	1.2	.1				4.9	8.7
SSE	.9	.9	1.7	1.9					5.4	8.3
S	.5	1.6	3.2	1.1	.4	.1			7.0	9.0
SSW	.6	1.2	2.4	3.1	.1	.1			7.5	9.9
SW	.4	.5	1.6	1.8	.5				4.9	10.7
WSW	.2	.8	1.3	2.2	.5	.2			5.2	11.5
W	.8	1.2	4.3	3.9	.9	.4	.1		11.5	11.0
WNW	.1	1.3	2.7	1.1	.4				5.6	9.1
W	.8	1.0	1.2	1.4	.6				4.9	9.5
NNW	.6	1.1	1.7	1.5	.2	.1			5.3	9.1
VARIABLE										
CALM	////////////////////////////////////								4.5	////
TOTALS	8.2	19.0	32.3	28.5	6.5	1.0	.1		100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.4	1.7	1.7	.1						5.2	9.1
NNE	.2	.5	1.2	.2	.1						2.3	8.3
NE	.1	.2	1.0	1.6	.3	.2					3.4	12.6
ENE	.3	.8	1.4	2.9	1.0	.1					6.5	11.8
E	.3	1.2	2.3	2.8	.9						7.4	10.6
ESE	.6	1.3	1.4	.8							4.1	7.1
SE	.3	.9	.6	.8	.1						2.7	8.4
SSE	.2	1.1	1.4	1.1	.2						4.0	9.0
S	.4	1.2	2.8	2.7	.6	.1					7.8	10.5
SSW		1.1	2.3	1.7	1.5	.2					6.8	12.2
SW	.1	.4	1.6	2.5	1.3						5.9	12.4
WSW	.5	.6	1.7	2.4	1.0	.2					6.5	11.5
W	.3	2.8	4.1	4.9	1.7	1.1	.1				15.1	11.7
WNW	.4	.5	2.6	2.8	.5	.2					7.1	10.9
NW	.4	1.1	2.9	2.3	.1						6.8	9.3
NNW	.3	1.1	1.6	1.8	1.0	.1					5.9	11.2
VARIABLE												
CALM	////////////////////										2.7	////
TOTALS	4.9	16.1	30.5	32.9	10.4	2.3	.1				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.0	2.7	1.3							5.5	8.3
NNE	.4	.5	.8	.5	.1						2.4	8.5
NE		.6	.9	2.3	.5		.1	.1			4.5	12.9
ENE		.8	1.2	3.1	1.0	.1					6.1	12.9
E	.4	1.4	3.1	1.4	.2	.2					6.8	9.2
ESE	1.0	.6	1.3	.1							3.0	5.9
SE	.3	.9	.8	.5	.1						2.6	7.5
SSE	.5	.4	1.3	.9							3.1	8.6
S	.2	1.6	2.0	1.9	.5	.3					6.7	10.5
SSW	.3	1.3	1.4	3.2	.5	.1					6.9	11.4
SW	.1	.4	1.4	2.3	.9	.5	.1				5.7	13.8
WSW	.2	.4	2.4	1.3	1.4	.4					6.1	12.6
W	.3	1.6	4.1	5.6	2.4	1.0	.1				15.1	12.6
WNW	.5	1.1	2.5	3.3	.4	.4					8.3	11.0
NW	.3	1.0	2.7	3.7	.2						7.8	10.3
NNW	.1	1.0	2.2	2.5	.8						6.5	11.0
VARIABLE												
CALM	////////////////////										3.0	////
TOTALS	5.4	14.6	30.5	33.9	9.0	3.1	.3	.1			100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 76-87  
MONTH: MAR HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.6	2.6	1.3	.1						7.5	7.5
NNE	.8	.8	.5	.5	.2						2.8	7.8
NE	.3	.6	1.1	1.7	.1						3.9	9.7
ENE	.4	1.5	3.1	3.3	.8	.1					9.2	10.4
E	1.1	2.2	2.0	1.3	.3	.1	.1				7.1	8.2
ESE	.4	.6	1.6	.1							2.8	6.7
SE	.6	1.3	.4	.1							2.5	5.3
SSE	.8	1.1	.9	.6	.2						3.5	7.4
S	1.4	1.9	2.2	.6	.1	.2	.2				6.7	7.7
SSW	1.0	1.0	2.2	1.2	.3	.3					5.9	9.2
SW	.6	1.1	1.8	1.6	.2	.2					5.6	9.7
WSW	1.0	1.6	1.9	1.1		.3					5.9	8.1
W	2.0	3.3	2.8	2.7	1.3	.4					12.6	9.3
WNW	.6	1.3	2.2	2.4	.6						7.1	10.0
NW	.9	1.1	2.2	2.3	.8	.1					7.2	10.0
NNW	.6	1.8	1.8	1.8	.2						6.3	8.5
VARIABLE												
CALM	////////////////////										3.3	////
TOTALS	13.5	23.8	29.2	22.7	5.3	1.8	.3				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.5	3.2	3.2	1.6	.1							9.7	7.2
NNE	.3	1.2	.5	1.0	.1							3.1	8.4
NE	.4	1.3	.5	1.0								3.2	7.3
ENE	.5	1.7	2.5	3.7	.8							9.1	10.1
E	.6	3.1	2.7	1.1	.9							8.4	8.2
ESE	.4	.8	1.2	.2								2.6	7.2
SE	.8	1.3	.3	.4								2.8	5.7
SSE	1.1	1.7	.3	.1	.1							3.3	4.9
S	.5	2.6	2.4	.8	.4	.2	.1					7.0	8.6
SSW	1.1	2.3	1.4	1.0	.4	.1						6.2	8.1
SW	.8	1.7	1.5	1.3	.3	.1						5.7	8.5
WSW	.6	1.1	1.7	1.1	.2	.1						4.8	8.8
W	2.2	1.9	2.0	1.6	1.4	.6	.1					9.9	9.9
WNW	1.4	1.3	2.9	1.0	.6							7.2	8.4
NW	.9	1.3	1.7	1.0	.1	.2						5.2	8.5
NNW	1.1	1.3	1.4	.8	.1							4.6	6.8
VARIABLE													
CALM	////////////////////											7.1	////
TOTALS	14.2	27.7	26.3	17.4	5.6	1.4	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS: 1511: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	2.2	2.3	1.4	.1						7.2	7.6
NNE	.4	.8	.6	.5	.1						2.4	7.6
NE	.4	.9	1.0	1.5	.2	.0	.0	.0			4.1	9.7
ENE	.6	1.1	2.3	2.9	.7	.1					7.6	10.5
E	.7	2.1	2.6	2.1	.5	.1	.0				8.0	9.1
ESE	.7	1.1	1.5	.3	.0						3.6	6.6
SE	.5	1.2	1.0	.6	.1						3.4	7.3
SSE	.8	1.2	1.3	.8	.1						4.1	7.3
S	.8	1.9	2.4	1.2	.3	.1	.0				6.9	8.6
SSW	.9	1.4	2.3	1.6	.4	.1					6.7	9.1
SW	.6	1.2	1.6	1.8	.4	.1	.0				5.8	9.7
WSW	.8	.9	1.4	1.3	.5	.2					5.1	9.5
W	1.1	2.3	3.3	3.1	1.3	.6	.1				11.7	10.5
WNW	.6	1.1	2.2	1.8	.6	.2	.0				6.6	10.0
NW	.7	1.4	1.9	1.7	.3	.0					6.0	8.9
NNW	.7	1.2	1.7	1.3	.3	.0					5.3	8.7
VARIABLE												
CALM	////////////////////										5.5	////
TOTALS	11.5	22.1	29.4	24.0	5.9	1.5	.1	.3			100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	2.9	2.2	.9							7.7	6.4
NNE	.3	1.3	.7	.3							2.7	6.0
NE	.7	1.9	.9	.3	.3						4.1	7.1
ENE	.6	1.2	1.6	.7	.3	.1					4.4	8.5
E	.9	1.2	4.3	1.7	.8	.1	.1				9.1	9.8
ESE	1.3	1.6	.6	.2	.4	.1					4.2	7.0
SE	1.2	1.4	.7								3.3	4.3
SSE	2.1	4.2	.3		.3	.2					7.2	5.4
S	1.1	3.0	1.7	1.0	.3						7.1	7.3
SSW	.9	1.2	1.8	1.4	.2						5.6	8.3
SW	.2	1.9	1.3	.9	.6		.1				5.0	9.2
WSW	.7	1.8	1.1	.3	.2	.6					4.7	8.9
W	1.3	2.1	2.7	1.8	.4	.2					8.6	9.1
WNW	.7	1.3	2.0	.7	.1		.2				5.0	8.3
NW	.7	2.8	2.0	.4	.1	.1		.1			6.2	7.3
NNW	.9	2.2	.9	.4	.1	.2					4.8	6.8
VARIABLE												
CALM	////////////////////////////////////										10.3	////
TOTALS	15.2	32.1	24.7	11.1	4.3	1.7	.4	.1			100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	1.8	1.4	1.2							5.8	7.0
NNE	1.0	.6	.1	.2							1.9	4.6
NE	.6	1.7	.8	.9	.2	.1					4.2	8.5
ENE	1.3	2.3	1.6	.9	.2	.1					6.4	7.3
E	.8	3.1	2.7	2.0	.4	.2					9.2	8.9
ESE	.7	1.9	1.4	.6		.1					4.7	7.4
SE	.6	1.0	.3	.3	.1						2.3	6.7
SSE	1.7	5.1	.7			.1					7.6	4.9
S	1.6	1.7	2.1	.7	.1	.3					6.4	7.7
SSW	.7	1.3	1.3	.4	.1	.2					4.1	7.7
SW	.8	1.4	1.8	1.4	.3		.1				5.9	8.8
WSW	.8	.4	.9	1.2	.6	.2					4.1	10.5
W	1.4	3.2	3.2	1.7	.9	.6					11.0	9.1
WNW	.6	2.6	1.3	1.4	.3						6.2	8.1
NW	.6	2.1	1.6	.6	.2						5.0	7.3
NNW	.8	1.4	.9	.8	.1						4.0	7.3
VARIABLE												
CALM	////////////////////										11.1	////
TOTALS	15.0	31.7	22.1	14.3	3.7	2.0	.1				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	2.6	2.0	1.1							7.6	6.4
NNE	.6	1.0	.8	.7							3.0	7.1
NE	1.2	1.8	.8			.2					4.0	5.7
ENE	.8	1.3	2.1	1.4	.7	.1					6.4	9.2
E	.7	2.8	2.6	2.6	.4	.3					9.3	9.4
ESE	.8	2.2	1.7	1.1	.2						6.0	7.8
SE	.4	1.0	.6	.3							2.3	6.3
SSE	.4	3.4	1.4	.3							5.7	6.2
S	1.4	4.2	2.8	1.0		.1					9.6	6.7
SSW	.6	.8	1.0	.9	.1						3.3	8.2
SW	.7	.7	1.2	1.1		.1					3.8	8.7
WSW	.7	1.1	1.3	.9	.2	.2	.2				4.7	10.4
W	.6	3.1	2.2	3.1	.7	.4	.1				10.2	10.1
WNW	.7	2.2	1.8	1.7	.6	.1					7.0	8.9
NW	.6	1.8	1.4	.7	.1	.1					4.7	7.5
NNW	.4	1.6	.9	1.0	.2						4.1	8.5
VARIABLE												
CALM	////////////////////										8.3	////
TOTALS	12.3	31.6	24.6	17.9	3.2	1.8	.3				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.7	3.0	2.4	.3						9.3	8.7
NNE	.2	1.2	1.2	1.0							3.7	8.6
NE		.6	.7	.8	.2						2.2	9.9
ENE	.6	1.1	2.1	2.4	.1	.1					6.4	9.9
E	.7	2.1	3.0	3.8	1.1						10.7	10.2
ESE	.3	1.1	1.8	1.7	.1						5.0	9.2
SE	.6	1.1	1.4	.4							3.6	7.1
SSE	.1	.4	1.7	1.0							3.2	9.1
S	.7	1.3	2.8	3.0	.2						8.0	9.4
SSW	1.0	1.3	1.4	2.4	.3	.2					6.8	9.7
SW	.7	1.1	1.1	1.2	.7	.2	.1	.1			5.2	11.1
WSW	.8	.8	1.3	2.2	.7	.2		.1			6.1	11.3
W	.8	1.1	3.6	3.3	2.2	.8	.1	.1			12.0	12.7
WNW	.6	1.3	1.9	1.6	.4	.2					6.0	9.9
NW	.4	.3	1.4	2.8	.4	.2					5.7	11.3
NNW	.6	.9	1.7	1.1	.3						4.6	9.0
VARIABLE												
CALM	////////////////////										1.6	////
TOTALS	8.8	18.6	30.1	31.2	7.2	2.3	.2	.3			100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	1.2	2.6	2.4	.6							7.3	9.8
NNE	.6	.7	1.4	1.0	.1							3.8	8.4
NE	.1	.7	.9	1.4	.1							3.2	10.1
ENE	.2	.8	1.3	2.1	.3							4.8	10.8
E	.6	.8	2.7	3.6	.4	.1						8.1	10.7
ESE	.2	1.3	1.9	1.0								4.4	8.2
SE	.2	.6	1.6	1.6								3.9	9.5
SSE	.3	1.0	1.2	.8	.1							3.4	9.3
S	.1	1.7	1.9	3.4		.1						7.2	10.4
SSW	.3	.8	2.6	2.0	.6	.2	.1					6.6	10.9
SW		.6	2.4	2.0	.8	.3	.4					6.6	13.3
WSW	.1	.7	1.2	2.1	.8	.4	.1	.2				5.7	13.9
W	.3	1.4	2.4	3.3	1.9	1.2	.3	.1				11.1	13.8
WNW	.2	1.1	2.6	3.8	.8	.3						8.8	11.6
NW	.2	.3	2.2	2.9	.4							6.1	11.2
NNW	.4	.7	2.2	3.2	.4							7.0	10.6
VARIABLE													
CALM	////////////////////											2.0	////
TOTALS	4.4	14.3	31.1	36.7	7.3	2.8	1.0	.3				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.0	4.2	2.7	.3	.1					9.0	9.8
NNE		1.6	1.0	1.2							3.8	8.6
NE	.6	1.6	1.3	.8	.3						4.6	8.3
NNE	.1	1.1	1.3	2.8	.6						5.9	11.0
E	.2	.8	1.2	2.2	.3						4.8	10.7
ESE		1.0	1.0	.9	.3						3.2	9.9
SE	.3	1.1	1.0	.8							3.2	7.6
SSE	.3	1.0	1.7	.7							3.7	7.7
S	.2	1.7	2.9	2.1	.2						6.8	9.6
SSW	.8	1.1	3.3	3.2	.7	.1	.1	.1			9.4	10.7
SW	.2	.8	1.7	1.6	.8	.7		.1			5.0	12.5
WSW	.8	1.0	.9	2.1	.6	.6	.2	.1			5.9	12.7
W	.6	1.2	3.1	4.0	2.0	.9	.4				12.2	13.2
WNW	.3	1.1	2.1	3.8	.7	.3					8.3	11.8
NW	.1	.8	1.3	3.2	.4						5.6	12.3
NNW		.8	2.7	2.9	.4						6.6	11.3
VARIABLE												
CALM	////////////////////										2.1	////
TOTALS	4.9	16.1	30.8	34.9	7.7	2.2	.8	.3			100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 74-87  
MONTH: APR HOURS (LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	4.3	4.7	1.8	.2							12.3	7.5
NNE	.3	.4	.6	.4								1.9	8.1
NE	.9	.9	1.4	.8								4.0	7.4
ENE	.6	1.3	1.4	3.0	.3	.2						6.9	10.7
E	.9	2.8	1.6	2.4	.1							7.8	8.1
ESE	.8	.6	.9	.3	.2							2.8	7.5
SE	.7	1.2	.6		.2							2.7	5.9
SSE	1.3	1.3	1.0	.4	.2							4.3	6.4
S	.7	2.0	3.0	1.8	.2							7.7	8.4
SSW	.9	1.1	1.4	.8	.2							4.4	7.7
SW	.6	1.3	1.2	.6	.1	.2	.1					4.1	8.0
WSW	.3	1.1	.7	1.3	.7	.2						4.3	10.0
W	1.1	2.2	2.7	3.0	1.2	.7	.1	.2				11.7	11.5
WNW	.4	1.0	1.8	1.6	.6			.1				5.4	10.0
NW	.8	1.1	2.7	2.0	.1							6.7	8.6
NNW	.6	1.4	2.4	2.8	.4	.1						8.1	9.8
VARIABLE													
CALM	////////////////////											5.4	////
TOTALS	12.1	24.6	28.0	23.0	4.9	1.4	.2	.3				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	5.9	3.1	.7	.3	.1					11.7	6.2
NNE	.7	1.3	.7	.1							2.0	5.0
NE	.4	1.6	.7	.4							3.1	6.7
ENE	.8	2.0	2.4	1.4	.6						7.2	8.6
E	.8	2.2	2.8	1.8	.6						8.1	8.7
ESE	1.3	1.3	.3	.2							3.2	4.3
SE	1.3	1.9	.2			.1					3.6	4.7
SSE	.9	1.8	.9	.2	.6	.2					4.6	8.0
S	2.9	2.8	2.4	1.4	.1						9.7	6.4
SSW	1.1	.9	1.2	.8	.4						4.4	8.2
SW	.9	1.1	1.1	.7	.1	.1					4.0	7.4
WSW	.6	.9	.4	.3	.1	.1					2.4	7.8
W	1.2	1.7	3.6	1.7	.9	.6	.3				9.9	10.4
WNW	1.1	1.0	1.4	.9				.2			4.7	8.8
WW	.8	2.2	2.4	.6				.1			6.1	7.4
NNW	1.0	2.7	1.6	1.1	.1						6.4	7.2
VARIABLE												
CALM	////////////////////////////////////										8.1	////
TOTALS	17.6	31.2	26.3	12.5	3.6	1.2	.3	.3			100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
 MONTH: APR HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.2	2.8	2.9	1.7	.2	.7					8.8	7.7
NNE	.5	1.0	.8	.6	.0						2.9	7.3
NE	.6	1.3	.9	.7	.2	.0					3.7	7.8
ENE	.6	1.4	1.7	1.8	.4	.1					6.1	9.4
E	.7	2.0	2.6	2.5	.5	.1	.3				9.4	9.5
ESE	.7	1.4	1.2	.7	.2	.0					4.2	7.7
SE	.7	1.2	.8	.4	.0	.0					3.1	6.6
SSE	.9	2.3	1.1	.4	.2	.1					5.0	6.6
S	1.1	2.2	2.4	1.8	.2	.1					7.8	8.1
SSW	.8	1.1	1.8	1.5	.3	.1	.0	.0			5.6	9.3
SW	.5	1.1	1.5	1.2	.4	.2	.1	.0			4.9	10.2
WSW	.5	1.0	1.0	1.3	.5	.3	.1	.1			4.7	11.1
W	.9	2.0	2.9	2.7	1.3	.7	.2	.1			10.8	11.4
WNW	.6	1.5	1.9	1.9	.4	.1	.7	.0			6.4	10.0
NW	.5	1.4	1.9	1.6	.2	.1		.0			5.7	9.1
NNW	.6	1.1	1.7	1.7	.3	.7					5.7	9.1
VARIABLE												
CALM	////////////////////										6.1	////
TOTALS	11.3	25.0	27.1	27.7	5.2	1.9	.4	.2			100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 7260

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.2	2.3	1.9	.4							7.8	5.1
NNE	1.2	1.4	.2	.2							3.0	4.5
NE	1.0	1.6	.8	.2							3.5	5.4
ENE	1.2	1.6	1.2	.6	.1						4.7	6.4
E	1.5	3.1	1.4	.1							6.1	5.1
ESE	2.7	2.2	.8								5.6	4.0
SE	1.4	2.2	.3	.2							4.1	4.6
SSE	3.0	2.4		.2							6.0	3.9
S	4.2	3.8	2.0	1.2							11.2	5.4
SSW	1.3	2.7	2.7	.9							7.5	6.6
SW	1.3	1.5	1.8	.5	.1						5.3	6.6
WSW	.3	.9	1.0	.1							2.3	6.1
W	1.6	1.3	1.2	.3							4.4	5.3
WNW	.6	.9	1.0	.2							2.7	6.2
NW	.9	.9	1.2	.6							3.5	6.9
NNW	1.3	1.3	1.3	.1							4.0	5.3
VARIABLE												
CALM	////////////////////////////////////										14.2	////
TOTALS	26.7	30.2	18.7	6.0	.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS: 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	1.6	1.5	1.0	.2						6.7	6.4
NNE	1.1	1.5	1.1	.2							3.9	5.6
NE	1.4	1.8	.5	.6							4.4	5.6
ENE	1.9	1.2	1.1	.5	.2						4.8	6.2
E	1.6	4.0	1.2	.1							6.9	4.9
ESE	1.6	1.6	.1								3.3	3.7
SE	1.3	1.5	.5	.1							3.4	4.8
SSE	2.9	2.9	1.2	.2							7.2	4.5
S	3.2	4.0	1.1	1.0	.2						9.5	5.4
SSW	2.2	2.4	2.5	.6							7.6	6.2
SW	1.4	1.9	2.4	.4	.1						6.2	6.2
WSW	1.0	1.5	.9	.5							3.9	5.9
W	.8	1.4	.6	.4							3.2	5.9
WNW	.9	.4	.5	.4							2.3	6.0
NW	.6	1.0	.8	.3							2.7	6.2
NNW	1.6	1.7	.9	.2							4.4	5.1
VARIABLE												
CALM	////////////////////										19.6	////
TOTALS	25.7	30.4	16.8	6.8	.8						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETYAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMRLP: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.5	2.0	2.6	.8	.1			7.0	6.8
NNE	1.7	1.7	1.6	.9				5.9	6.1
NE	1.2	1.4	.6	.3	.1			3.7	5.6
ENE	1.6	2.2	1.5	.8	.2			6.2	6.3
E	2.2	2.9	2.4	.4				7.8	5.8
ESE	1.3	1.4	.2	.1				3.0	4.2
SE	1.4	.9	.6	.2				3.1	4.9
SSE	1.1	2.3	1.3	.1				4.7	5.4
S	3.1	4.7	2.8	.4	.1			11.2	5.5
SSW	1.0	2.4	2.2	1.4	.4	.2		7.5	8.5
SW	.9	1.8	2.8	.3				5.8	6.7
WSW	1.5	2.7	1.8	.6	.1			6.1	6.6
W	1.2	1.9	1.4	.9				5.4	6.5
WNW	.3	.4	1.3	.8				2.8	8.6
NW	.4	1.7	.9	.2				2.8	5.8
NNW	.8	1.6	1.4	.2				4.0	6.2
VARIABLE									
CALM	////////////////////							17.9	////
TOTALS	21.4	30.4	25.4	6.4	1.1	.2		107.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 74-87  
MONTH: MAY HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	1.0	2.0	1.3							7.6	7.1
NNE	.3	.0	2.4	1.0							4.4	8.4
NE	.5	1.1	1.7	.9	.1						4.3	8.1
ENE	1.2	1.1	2.3	1.6	.3						6.7	8.4
E	.0	1.9	2.2	1.1							6.9	7.0
ESE	.9	1.7	1.6	.3							4.5	8.3
SE	.9	1.7	1.0	.1							3.7	5.4
SSE	.6	1.4	1.4	.4							4.1	6.6
S	1.2	1.6	3.4	.6	.1	.1	.1				7.2	7.7
SSW	.4	1.8	3.4	2.3	.1						8.1	8.7
SW	.5	1.5	4.1	2.0	.4	.3					8.9	9.9
WSW	.6	2.4	3.4	2.2							8.7	8.3
W	1.1	2.0	3.2	1.5	.8						8.6	8.6
WNW	.6	.9	1.8	.6	.3						4.3	8.3
NW	.4	1.0	1.7	.8							3.9	7.9
NNW	.6	1.5	2.0	.8							4.9	7.3
VARIABLE												
CALM	////////////////////////////////////										3.2	////
TOTALS	12.1	25.7	38.5	17.4	2.2	.4	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63		
N	1.3	2.7	2.4	1.0							7.3	6.8
NNE	.6	1.6	1.6	1.3							5.2	7.7
NE	.2	.9	1.1	1.3	.2						3.2	10.4
ENE	.6	1.5	1.9	1.9	.1						6.1	8.7
E	1.3	2.0	2.2	.5							6.0	6.3
ESE	1.1	1.1	1.5	.6							4.5	6.5
SE	.5	1.0	1.0								2.5	6.2
SSE	.5	1.0	1.4	.1	.1						3.7	6.3
S	.9	1.6	2.6	1.1	.1						6.1	7.8
SSW	.3	1.1	4.2	3.1	.4						9.4	10.1
SW	.1	1.0	3.4	2.1	.1						6.7	9.6
WSW	.6	1.4	2.7	1.2	.8						6.7	10.3
W	.9	1.8	2.6	2.7	.8	.4					9.5	10.8
WNW	.3	1.2	1.6	1.2	.2						4.5	9.4
W	.6	1.4	2.2	1.3							5.5	7.9
NNW	.8	1.2	2.3	1.7							5.9	8.2
VARIABLE												
CALM	////////////////////										7.7	////
TOTALS	13.6	24.2	30.5	23.9	2.4	.4					100.3	8.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 79-87  
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	2.5	3.1	.9	.1							7.8	7.0
NNE	.5	1.2	2.0	.6								4.4	7.6
NE	.6	1.7	2.0	1.8	.1							6.3	8.6
ENE	.8	1.9	2.2	1.5	.5							6.9	8.9
E	1.0	1.7	1.2	.3								4.2	6.0
ESE	.4	1.4	.6	.4	.1							3.0	6.9
SE	.2	1.7	.9	.2								3.0	6.5
SSE	.6	1.0	1.5	.2								3.3	6.3
S	1.4	2.0	3.2	2.9	.2							9.8	8.6
SSW	.8	1.4	2.4	1.9								6.5	8.6
SW	.3	1.6	2.9	3.4	.2							8.5	9.9
WSW	.6	1.0	3.0	2.0	.6	.1	.1					7.5	10.4
W	1.0	1.8	2.7	2.0	1.2	.2	.1					9.0	10.5
WNW	.3	.8	1.8	1.2	.3	.1						4.5	10.0
NW	.9	1.7	1.8	1.6								5.6	8.3
NNW	.4	1.4	2.3	2.4	.4							6.9	9.7
VARIABLE													
CALM	////////////////////											2.7	////
TOTALS	11.2	24.4	33.7	23.5	3.9	.4	.2					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	4.5	3.9	.9	.3						11.5	6.5
NNE	.9	1.6	1.0	.2							3.5	5.7
NE	1.1	1.6	1.9	.8	.1						5.5	7.1
ENE	1.1	1.9	2.0	1.5	.1						6.7	7.0
E	1.3	2.3	1.8	.3							5.7	5.9
ESE	1.1	1.2	.9	.3							3.4	5.0
SE	.8	1.6	.6								3.0	4.0
SSE	.8	1.4	.9	.5							3.5	6.2
S	1.5	3.9	2.5	1.2	.1						9.1	6.6
SSW	.8	2.9	2.8	1.4							7.8	7.2
SW	.8	1.8	1.9	1.7	.2						6.5	8.1
WSW	.8	1.8	1.0	1.2	.2						4.9	7.0
W	1.2	1.8	1.3	1.4	.3	.1					6.1	8.2
WNW	.6	.6	1.9	.8	.1						4.1	8.4
NW	.9	1.2	1.3	1.0							4.2	7.3
NNW	.8	1.5	2.3	2.2	.2						6.9	8.4
VARIABLE												
CALM	////////////////////										7.4	////
TOTALS	15.8	31.7	28.0	15.3	1.7	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.8	5.2	1.4	.6							10.0	5.0
NNE	1.3	1.4	.2	.2							3.1	4.4
NE	1.3	1.9	.5	.1	.2						4.1	5.3
ENE	2.5	2.7	1.7	.8	.1						7.7	5.9
E	2.2	2.7	1.5	.1							6.5	5.0
ESE	1.8	2.2	1.0	.2							5.2	4.5
SE	.9	1.6	.1	.2							2.8	4.6
SSE	2.4	1.9	1.1	.2							5.6	4.7
S	4.0	4.9	3.5	.4							12.9	5.3
SSW	1.2	2.7	1.7	.6	.1						6.3	6.2
SW	.8	1.6	1.4	.4	.1						4.3	7.0
WSW	.8	.4	.9	.3							2.7	6.1
W	1.1	.4	1.5	.1	.1						3.2	6.4
WNW	.6	.2	1.1	.4							2.4	7.2
NW	.6	.5	.9	.6	.1						2.8	7.7
NNW	1.3	1.8	2.5	.3	.1						6.0	6.2
VARIABLE												
CALM	////////////////////										14.4	////
TOTALS	25.4	32.6	21.0	5.8	.9						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	2.8	2.4	.8	.1						8.2	6.3
NNE	.9	1.4	1.3	.6							4.2	6.5
NE	.9	1.5	1.2	.8	.1						4.4	7.1
ENE	1.3	1.8	1.7	1.2	.2						6.2	7.4
E	1.5	2.8	1.7	.4							6.4	5.7
ESE	1.4	1.6	.8	.3	.0						4.1	5.2
SE	.9	1.5	.6	.1							3.2	5.2
SSE	1.5	1.9	1.1	.3	.0						4.8	5.3
S	2.4	3.3	2.6	1.1	.1	.0	.0				9.6	6.4
SSW	1.0	2.2	2.7	1.5	.1	.0					7.6	7.8
SW	.8	1.7	2.6	1.5	.2	.0					6.7	8.3
WSW	.8	1.5	1.8	1.3	.2	.0	.0				5.6	8.3
W	1.1	1.6	1.8	1.2	.4	.1	.0				6.2	8.5
WNW	.6	.7	1.4	.7	.1	.0					3.4	8.3
NW	.7	1.0	1.3	.8	.0						3.9	7.4
NNW	.9	1.5	1.9	1.0	.1						5.4	7.3
VARIABLE												
CALM	////////////////////										10.2	////
TOTALS	18.7	28.7	27.1	13.4	1.7	.2	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 7A-87  
MONTH: JUN HOURS: 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.9	3.1	1.6	.3							7.9	4.8
NNE	1.7	.7	.3	.1							2.8	4.0
NE	1.1	1.0	.3								2.4	4.0
ENE	1.3	1.6	.4	.1							3.4	4.4
E	2.7	3.4	1.4								7.6	4.5
ESE	2.4	1.4	.2								4.1	3.3
SE	2.2	1.4	.4								4.1	3.8
SSE	2.9	2.1	.3	.1							5.4	3.8
S	3.2	4.9	1.9	.3							10.3	4.7
SSW	2.2	4.7	3.4	1.2							11.6	6.1
SW	2.3	2.1	1.9	.3							6.7	5.3
WSW	1.6	.9	1.9	.3							4.7	6.0
W	2.3	1.8	.8	.4	.1						5.4	5.0
WNW	.8	1.3	.1								2.2	4.1
NW	.6	1.0	.2								1.8	4.6
NNW	1.1	2.0	.1	.2							3.4	4.7
UNAVAILABLE												
CALM	////////////////////										16.1	////
TOTALS	31.3	33.4	15.4	2.6	.1						103.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 902

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	2.1	1.0	.4							5.4	5.2
NNE	1.3	1.0	.4	.1							2.9	4.4
NE	1.1	1.3	.2	.0							3.1	5.0
ENE	1.7	1.6	.2	.1							3.6	3.9
E	2.0	2.6	1.1								5.7	4.6
ESE	3.0	1.7	.7								5.3	3.6
SE	2.0	1.4	.1								3.6	3.4
SSE	2.3	1.8	.4	.1							4.7	3.9
S	3.2	3.6	1.7	1.1							9.6	5.6
SSW	2.2	4.1	2.7	.7	.1						9.8	6.0
SW	1.9	4.8	2.1	.6							9.1	5.5
WSW	1.9	1.7	2.0	.7	.1						5.9	6.5
W	2.6	2.8	.9	.1							6.1	4.5
WNW	.9	.9	.4								2.2	4.3
Wb	.3	.7	.3	.1	.1						2.0	5.4
WSW	.7	.7	.9	.1							2.3	6.1
UNABLE												
CALM	////////////////////////////////////										18.8	////
TOTALS	29.4	31.7	15.2	4.6	.3						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 960



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN MONTHS LAST: JULY-0000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	OF 56	
N	2.0	2.7	1.7	.7	.1						7.1	5.9
NNE	.9	1.2	.4	.2							2.8	5.4
NE	.8	1.3	.8	.4	.1						3.4	6.2
ENE	.9	1.9	1.4	.1							4.3	5.6
E	2.3	2.7	1.1	.1							6.2	6.5
ESE	1.2	1.0	.7	.4							3.3	5.7
SE	2.0	1.7	.4								4.1	5.7
SSE	2.0	2.4	1.0	.3							5.7	5.1
S	2.2	4.3	2.7	.2		.1					9.5	5.5
SSW	1.2	2.7	3.6	1.2	.1						8.8	7.2
SW	1.3	3.8	3.3	.8	.1						9.3	6.5
WSW	1.1	1.3	1.8	1.1							5.3	7.1
W	1.8	3.1	1.7	.6							7.1	5.7
WNW	.7	1.7	1.6		.1						4.2	6.1
NW	.7	1.3	.7	.7	.1						3.6	7.1
NNW	.8	1.0	.8	.2							2.8	5.8
VARIABLE												
CALM	////////////////////										15.3	////
TOTALS	21.9	33.7	23.6	7.1	.7	.1					100.3	5.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 CSOFTAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
 MONTH: JUN HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-59	TOTAL	MEAN WIND
N	1.4	2.3	2.0	.9								7.1	6.9
NNE	.7	1.2	.9									2.8	5.4
NE	1.1	.7	1.2	.1								3.1	5.6
ENE	1.1	1.8	2.1	.6								5.6	6.5
E	1.4	2.2	1.8	.2								5.6	5.7
ESE	1.0	1.9	1.0	.7								4.6	6.3
SE	.7	.9	.8	.1								2.4	5.4
SSE	.7	1.4	1.1	.4								3.7	6.4
S	1.8	2.2	3.0	.8								7.8	6.6
SSW	1.5	1.6	3.6	2.0								9.4	7.7
SW	1.1	2.7	2.8	3.0	.1							9.2	6.7
WSW	.6	1.3	3.4	3.1	.1							8.6	8.8
W	1.1	3.7	2.7	3.0								10.4	7.9
WNW	1.0	1.3	2.1	1.2								5.7	7.5
NW	.8	1.7	1.9	.6								4.6	6.9
NNW	.9	1.0	1.3	.8								5.0	6.6
VARIABLE													
CALM	////////////////////////////////////											3.3	////
TOTALS	16.7	30.2	32.1	17.4	.2							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	3.7	2.8	1.0							7.6	7.2
NNE	.2	.9	1.0	.1							2.2	6.4
NE	.8	.7	.7	.3							2.4	6.0
ENE	1.0	2.2	2.4	.7							6.3	6.4
E	.7	1.0	1.3	.4							4.4	6.2
ESE	1.0	.6	.7	.2							2.4	5.5
SE	.7	.4	.4	.2							2.1	5.2
SSE	.5	1.2	.6								2.2	5.1
S	1.2	2.0	2.7	1.2	.1						7.2	7.5
SSW	1.2	1.6	2.8	2.8	.3						8.7	9.0
SW	.3	1.4	2.6	2.7	.7						8.0	9.8
WSW	1.0	3.0	4.2	3.1	.7	.1					12.1	9.1
W	1.6	1.4	3.9	3.4	.7						11.3	9.5
WNW	1.7	1.4	2.0	1.0	.3						6.8	7.2
W	.9	1.4	2.2	2.4							7.3	8.3
NNW	1.1	2.4	2.0	.9		.1					6.6	7.1
VARIABLE												
CALM	////////////////////////////////////										2.2	////
TOTALS	14.4	27.6	32.2	20.6	2.8	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	3.2	2.8	1.4	.2						9.2	7.3
NNE	.3	1.0	.9	.2							2.4	7.2
NE	.2	1.6	1.6	.2	.1						3.7	7.2
ENE	.8	2.3	1.7	.1							4.9	5.8
E	1.2	2.4	.8	.2							4.7	5.2
ESE	.6	.4	.9	.6							2.4	7.6
SE	.6	.6	.2	.2							1.6	5.4
SSE	.9	.9	.7	.1							2.6	5.5
S	1.2	2.0	1.7	.6							5.4	6.2
SSW	.8	2.1	3.4	2.4	.6						9.3	9.4
SW	.4	2.8	3.3	2.7	.4						9.7	9.2
WSW	1.1	1.3	4.1	2.6	.1						9.2	8.6
W	.7	3.6	3.1	1.9	.1	.2					9.6	8.2
WNW	.9	2.0	2.0	1.1	.7						6.7	8.5
NW	1.3	2.0	3.2	1.4	.2	.1					8.3	7.8
NNW	.7	2.0	2.9	1.9	.1						7.6	8.4
VARIABLE												
CALM	////////////////////////////////////										2.8	////
TOTALS	13.2	30.2	33.2	17.7	2.6	.3					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 79-87  
MONTH: JUN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.7	4.3	3.3	1.6								11.9	6.4
NNE	1.0	1.8	1.2	.3								4.3	5.8
NE	.9	.9	.4									2.2	4.3
ENE	1.9	2.7	1.4	.2								6.2	5.3
E	1.8	3.0	1.8									6.6	5.1
ESE	1.4	.4	.6	.1								2.6	4.7
SE	1.2	.6	.8	.1								2.7	5.0
SSE	.8	1.1	.1	.1								2.1	4.4
S	1.8	2.2	2.2	.9								7.1	6.2
SSW	2.8	3.0	3.4	1.6								10.8	6.7
SW	.9	2.0	4.0	1.0	.1							8.0	7.8
WSW	.9	3.2	2.0	.4								6.6	6.2
W	.6	2.6	3.0	1.0	.1							7.2	7.4
WNW	.3	1.8	1.3	.6	.1							4.1	7.8
NW	1.3	1.9	1.2	.6								5.0	6.2
NNW	1.6	1.9	2.3	.4								6.2	6.4
VARIABLE													
CALM	////////////////////											6.4	////
TOTALS	21.8	33.3	29.2	8.9	.3							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 74-87  
MONTH: JUN MONTHS LISTED: 2130-2300

DIRECTION DEGREES	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	TOTAL	MEAN WIND
N	2.4	5.9	2.2										10.5	4.9
NNE	1.4	2.0	.1										3.5	3.9
NE	.9	1.4											2.3	3.5
NNE	1.4	1.0	1.0	.1									3.5	4.0
E	3.1	3.7	.6										7.4	5.1
ESE	1.3	1.7	.2										3.2	3.6
SE	1.2	1.6	.6										3.4	4.0
SSE	2.2	1.1	.3	.1									3.6	3.9
S	3.2	6.9	2.2	.9	.1								12.9	5.2
SSW	2.9	4.0	2.4	.2									9.5	5.1
SW	1.9	3.7	1.3	.2									6.7	5.1
WSW	1.3	1.3	.9	.2									3.6	5.1
W	1.2	2.6	.9		.1								4.8	4.7
WNW	.9	.9	.9	.1									3.8	5.1
NW	1.0	1.1	.6	.2									2.9	5.2
NNW	.9	1.6	.6	.2	.1								3.4	5.0
VARIABLE														
CALM	////////////////////												16.0	////
TOTALS	27.9	39.8	14.1	1.9	.3								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATE DATA BRANCH  
USAF/ETAC  
GPO WEATHER SERVICE/NOG

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: BRISBANE AFB IN

PERIOD OF RECORD: 70-87  
MONTH: JUN HOURS/15 MIN: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55		
N	2.0	1.1	2.2	0.0	0.0							0.4	0.1
NNE	1.0	1.2	0.7	0.1								1.0	5.2
NE	0.9	1.1	0.7	0.2	0.0							2.9	5.4
ENE	1.1	2.0	1.3	0.2								4.6	5.5
E	1.9	2.9	1.2	0.1								6.0	4.9
ESE	1.5	1.1	0.6	0.2								3.4	4.9
SE	1.1	1.1	0.5	0.1								3.0	4.3
SSE	1.5	1.5	0.6	0.2								3.8	4.7
S	2.2	3.5	2.2	0.7	0.0	0.0						8.7	5.8
SSE	1.8	3.1	3.2	1.5	0.1							9.7	7.1
SSW	1.3	2.0	2.7	1.4	0.2							8.3	7.4
WSW	1.2	1.0	2.5	1.4	0.1	0.1						7.1	7.7
W	1.5	2.7	2.1	1.3	0.1	0.0						7.7	7.1
WNW	0.5	1.4	1.2	0.5	0.2							4.2	6.9
W	0.9	1.4	1.3	0.7	0.1	0.0						4.4	7.0
WNW	1.0	1.7	1.4	0.6	0.0	0.0						4.7	6.7
VARIABLE													
CALM	////////////////////											9.8	////
TOTALS	22.1	32.4	24.4	10.2	0.9	0.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 74-87  
MONTH: JUL HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	4.2	3.2	.2			.1						7.7	3.6
NNE	2.2	1.2	.2	.1								3.7	3.6
NE	1.4	.9	.0									2.7	3.0
ENE	1.5	.6	.0	.2								2.9	4.6
E	3.1	1.5	.1									4.7	3.3
ESE	2.0	1.5	.2									3.9	3.3
SE	2.0	.8										2.9	2.6
SSE	4.1	2.8	.3									7.2	3.3
S	3.3	4.8	1.2	.2								9.6	4.5
SSW	3.2	3.3	1.8	.4		.1						8.9	5.2
SW	2.7	3.1	1.5	.8								8.1	5.2
WSW	.9	1.6	1.1	.1	.1							3.8	6.0
W	1.6	2.4	.3	.2		.1						4.6	4.7
WNW	.8	.8	.1									1.6	4.0
NW	.5	.6	.2									1.4	4.3
NNW	2.4	2.6	.4	.1		.1						5.6	4.3
VARIABLE													
CALM	////////////////////											21.1	////
TOTALS	35.9	31.7	8.6	2.2	.2	.3						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 79-87  
MONTH: JUL HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.7	2.3	.2									6.1	3.4
NNE	1.6	.5	.1									2.3	3.2
NE	2.3	.9	.5									3.7	3.7
ENE	1.2	.8	.3									2.3	3.6
E	1.7	1.5	.1									3.3	3.6
ESE	2.2	1.9	.1									4.2	3.4
SE	2.3	.9	.1									3.2	3.0
SSE	3.4	1.6										5.1	3.0
S	4.6	5.1	1.1									10.8	4.0
SSW	2.9	2.5	2.3	.1								7.2	5.3
SW	3.0	4.0	.8	.4								8.2	4.7
WSW	1.1	2.4	2.4	.6								6.7	6.1
W	2.2	2.5	.2		.1							4.9	4.1
WNW	.6	1.2	.2									2.0	4.6
NW	.8	.9	.1									1.7	3.9
NNW	1.0	1.1	.4									2.5	4.5
VARIABLE													
CALM	////////////////////											25.9	////
TOTALS	33.9	30.0	8.9	1.2	.1							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 0630-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	2.4	.6	.2							5.2	4.7
NNE	1.2	1.3	.4		.1						3.0	5.1
NE	2.8	2.2	1.2								6.1	4.3
ENE	1.7	1.0	.2	.1							3.0	3.9
E	1.9	1.7	.4								4.1	4.0
ESE	1.9	1.5	.3								3.8	3.7
SE	2.3	1.4	.3								4.0	3.5
SSE	2.8	2.3	.6								5.7	3.9
S	3.9	4.3	2.2								10.3	4.7
SSW	4.0	3.0	1.7	.1							8.8	4.5
SW	1.2	2.9	1.9	.4							6.5	5.9
WSW	1.1	3.2	2.6	.2							7.1	6.2
W	1.4	1.8	1.3	.1							4.6	5.4
WNW	.4	2.2	.6		.1						3.3	5.9
NW	.5	2.4	.4	.2	.1						3.7	5.4
NNW	1.1	1.3	.5								2.9	4.1
VARIABLE												
CALM	////////////////////										18.3	////
TOTALS	37.1	34.7	15.5	1.4	.3						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	1.8	2.4	.2							6.2	5.9
NNE	.4	1.0	.5								1.9	5.5
NE	1.3	1.9	1.3								4.5	5.1
ENE	1.5	2.2	1.2	.4							5.3	5.4
E	1.4	2.3	1.1								4.7	5.0
ESE	1.5	1.4	.4								3.3	4.0
SE	1.4	1.1	1.1	.1							3.7	5.1
SSE	2.2	1.9	1.6								5.7	4.9
S	2.2	2.0	2.3	.6							7.1	6.0
SSW	2.2	3.0	3.0	.6							8.8	6.0
SW	.9	3.5	4.3	1.1							9.8	7.2
WSW	.6	3.4	4.9	1.5							10.5	7.7
W	1.4	2.7	4.5	1.3							9.9	7.0
WNW	1.2	2.3	1.8	.2							5.5	5.8
NW	.6	1.7	.6	.3							3.3	6.0
NNW	1.2	1.6	1.0	.2							4.0	5.6
VARIABLE												
CALM	////////////////////										5.7	////
TOTALS	21.7	33.9	32.0	6.7							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 7A-87  
MONTH: JUL HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	1.3	2.4	.3								5.1	6.3
NNE	.8	1.6	1.0	.1								3.4	5.4
NE	.6	1.1	.4									2.2	4.7
ENE	1.8	1.5	1.7									5.1	4.9
E	2.2	2.2	1.7	.2								6.2	5.0
ESE	.6	1.4	.3	.1								2.5	5.1
SE	1.0	.9	.5									2.4	4.8
SSE	1.2	1.9	.8	.1								4.0	4.9
S	1.8	2.2	2.0	1.1								7.1	6.3
SSW	.9	3.9	3.2	1.7	.1							9.8	7.6
SW	.4	2.3	3.4	1.8	.1							8.1	8.3
WSW	1.4	3.9	2.8	.9								9.9	6.5
W	2.2	3.9	5.7	2.2	.1							14.2	7.3
WNW	.5	1.8	2.3	.9	.1							5.6	7.4
NW	.8	2.3	2.3	.3	.1							5.7	6.7
NNW	1.2	2.3	1.6	.9								5.9	6.6
VARIABLE													
CALM	////////////////////											4.2	////
TOTALS	18.4	34.2	32.2	10.5	.5							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/WAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: BRISSON AFB IN

PERIOD OF RECORD: 74-87  
MONTH: JUL MONTHS: 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-66		
N	2.0	1.7	3.1	.9								7.7	6.7
NNE	.2	1.1	1.0	.4								2.7	7.1
NE	1.0	1.7	.3	.1								2.7	6.5
ENE	.9	1.4	.6	.1								3.0	5.1
E	1.5	1.5	1.3									4.3	6.8
ESE	1.0	.4	.9	.1								3.4	6.5
SE	1.0	.6	.4									2.0	6.3
SSE	1.0	1.5	.5	.1								3.1	6.9
S	1.7	3.5	2.4	.8								8.4	6.1
SSW	1.3	3.3	5.8	1.4								12.8	7.6
SW	1.0	1.4	4.2	1.5								8.1	6.1
WSW	1.7	1.3	2.4	1.0	.1							7.5	6.9
W	3.2	5.7	4.8	1.8	.1							15.7	6.4
WNW	1.1	1.4	2.0	.5								5.1	6.8
NW	.5	2.2	1.5	.6								4.8	6.9
NNW	.5	1.5	1.6	1.5								5.2	6.1
VARIABLE													
CALM	////////////////////											4.0	////
TOTALS	20.4	30.6	33.4	11.3	.2							100.5	6.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLAR OBSERVATIONS

STATION NUMBER: 725115 STATION NAME: ORISSON 470 IN

PERIOD OF RECORD: 79-87  
MONTH: JUL HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-66		
N	1.4	5.9	3.1	0	0							11.2	5.9
NNE	1.1	1.5	0									3.3	4.8
NE	0	1.7	0									2.5	4.9
ENE	2.3	0	0									3.4	3.6
E	2.3	1.6	0	0.1								4.4	4.1
ESE	1.3	0	0.3									2.2	3.8
SE	1.1	0	0.2									1.9	3.3
SSE	1.2	1.7	0	0.1								2.9	4.4
S	2.7	3.9	1.0	0.2	0.1							8.5	5.1
SSW	2.0	0.0	2.0	0								10.3	5.3
SW	2.2	0.3	1.0	0								8.7	5.3
WSW	1.6	2.4	2.3	0.1		0.1						6.6	6.1
W	1.0	3.7	2.5	0.7								9.8	5.0
WNW	1.2	1.4	1.0	0.2	0.1	0.1						4.0	6.3
W	0	1.2	0									2.5	5.0
WNW	1.1	2.0	1.7	0								5.8	6.3
UNAVAILABLE													
CALC	////////////////////////////////////											12.8	////
TOTALS	26.3	36.4	28.7	1.2	0.2	0.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 920

AD-A187 858

GRISSON AFB INDIANA REVISED UNIFORM SUMMARY OF SURFACE

2/4

WEATHER OBSERVATIONS PARTS 8-E(U) AIR FORCE

ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

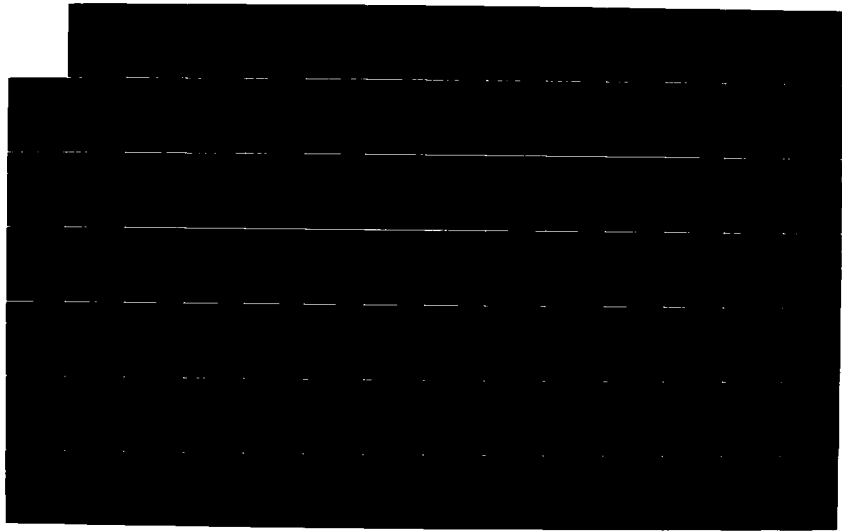
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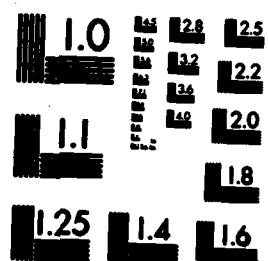
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	5.0	5.5	.3									10.8	3.7
NNE	1.1	.1		.1								1.3	3.1
NE	1.4	.9	1.0									3.2	4.6
ENE	3.7	.4	.4									4.5	3.0
E	2.0	1.1	.4									3.6	3.5
ESE	1.3	1.1										2.4	3.3
SE	1.8	.9										2.7	3.0
SSE	3.2	2.3	.3									5.8	3.4
S	4.0	4.3	1.7	.2								10.2	4.6
SSW	2.5	3.2	2.8	.2	.1							8.8	5.5
SW	3.0	2.5	.3	.1								5.9	3.7
WSW	.4	1.7	.4	.1								2.7	5.0
W	1.8	1.5	.1		.1							3.6	4.1
WNW	1.1	1.4	.1	.1								2.7	4.0
NW	.9	.9	.1									1.8	4.2
NNW	1.5	2.3	.5			.1						4.4	5.1
VARIABLE													
CALM	////////////////////											25.5	////
TOTALS	34.7	30.0	8.6	.9	.2	.1						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 76-87  
MONTH: JUL HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	3.0	1.5	.3	.0						7.5	5.0
NNE	1.1	1.0	.5	.1	.0						2.7	4.8
NE	1.4	1.3	.7	.0							3.4	4.5
ENE	1.8	1.1	.7	.1							3.7	4.4
E	2.0	1.7	.7	.0							4.4	4.2
ESE	1.6	1.3	.3	.0							3.2	3.9
SE	1.6	.9	.3	.0							2.8	3.7
SSE	2.4	1.9	.6	.0							4.9	4.0
S	3.0	3.8	1.8	.4	.0						9.0	5.0
SSW	2.4	3.4	2.9	.7	.0	.0					9.4	6.0
SW	1.8	3.0	2.3	.8	.0						7.9	6.1
WSW	1.1	2.5	2.4	.6	.0	.0					6.7	6.6
W	2.1	2.9	2.4	.7	.1	.0					9.3	6.0
WNW	.8	1.6	1.0	.2	.0	.0					3.7	6.0
NW	.6	1.5	.8	.2	.0						3.1	5.8
NNW	1.2	1.9	1.0	.4		.0					4.5	5.8
VARIABLE												
CALM	////////////////////										14.6	////
TOTALS	27.7	32.7	20.0	4.7	.2	.1					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POORLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	4.4	3.1	.7								8.1	3.5
NNE	2.3	1.3	.4								4.0	3.8
NE	1.7	1.6	.2								3.6	3.5
ENE	1.2	.5	.2								2.0	3.4
E	2.4	1.6	.2								4.2	3.2
ESE	3.2	1.2	.1	.1							4.6	3.0
SE	1.6	.7									2.3	2.7
SSE	2.7	2.2	.2								5.1	3.4
S	4.2	4.0	1.7	.5							10.6	4.6
SSW	3.4	3.4	1.4	.5							9.2	4.9
SW	2.6	2.4	1.4	.3							6.8	4.9
WSW	1.4	.9	.8	.1							3.2	4.7
W	1.5	.5	1.0	.2							3.3	4.9
WNW	.8	.4	.4								1.6	4.5
NW	.9	.3		.1							1.3	3.8
NNW	1.4	1.0	.1								2.5	3.2
VARIABLE												
CALM	////////////////////										27.8	////
TOTALS	35.7	25.6	8.9	2.0							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POORLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.4	2.0	.5									5.9	3.5
NNE	1.5	.9	.4									2.8	3.7
NE	2.5	1.6	.7									4.8	3.9
ENE	1.8	.7	.3									2.8	3.4
E	3.5	1.2	.1									4.8	2.9
ESE	2.9	1.6		.1								4.7	3.0
SE	2.0	.8	.1									2.8	3.2
SSE	2.5	1.4	.3									4.2	3.4
S	5.2	4.7	1.7									11.6	4.1
SSW	3.6	2.4	1.1	.3								7.4	4.6
SW	2.2	2.0	.9	.8								5.8	5.2
WSW	2.1	1.6	.7	.2								4.6	4.6
W	2.5	3.0	.9									6.4	4.2
WNW	.7	.5	.5	.1								1.8	5.6
NW	.9	.8		.1								1.7	4.1
NNW	.7	.7	.1									1.4	3.9
VARIABLE													
CALM	////////////////////											26.5	////
TOTALS	37.8	25.7	8.4	1.6								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.2	.8	.8	.2								3.9	4.3
NNE	1.5	1.4	1.0									3.9	4.5
NE	2.1	2.7	.8									5.5	4.6
ENE	2.3	1.6										3.9	3.4
E	2.5	1.0	.7									4.1	3.6
ESE	3.4	1.3	.1									4.8	3.0
SE	2.4	1.3	.2	.2								4.1	3.8
SSE	2.5	1.8	.8									5.1	4.1
S	3.0	4.2	2.3	.2								9.8	5.1
SSW	3.4	3.8	1.0	.2								8.4	4.4
SW	2.1	2.5	1.2	.3								6.1	5.0
WSW	1.7	2.0	2.0	.3								6.0	5.6
W	2.8	2.8	1.0	.1	.1							6.8	4.5
WNW	1.2	1.2	.5	.1								3.0	4.4
NW	1.1	1.3	.7	.2								3.3	4.8
NNW	1.0	.8	.2	.1								2.1	4.0
VARIABLE													
CALM	////////////////////											19.2	////
TOTALS	35.1	30.5	13.0	2.1	.1							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.6	1.3	.9							6.1	6.1
NNE	1.3	1.7	1.4	.2							4.7	5.6
NE	1.7	1.8	1.1	.2							4.9	5.1
ENE	1.4	3.0	1.4	.3							6.2	5.4
E	2.0	2.7	1.0	.1							5.8	4.6
ESE	2.0	2.5	.7								5.1	4.1
SE	2.1	1.0	1.2	.1							4.3	4.4
SSE	1.5	1.4	.8								3.7	4.7
S	1.7	4.7	2.6	.7							9.7	6.0
SSW	1.2	2.5	3.4	1.4	.1						8.6	7.4
SW	.8	2.3	2.6	1.1							6.7	7.3
WSW	1.4	2.5	3.1	1.1	.1						8.3	7.1
W	1.6	4.1	2.3	.8							8.8	6.3
WNW	.9	1.8	.9	.1							3.7	5.1
NW	.8	2.2	.5	.4							3.9	5.8
NNW	1.0	1.3	1.0	.2							3.5	5.4
VARIABLE												
CALM	////////////////////////////////////										6.2	////
TOTALS	22.6	38.2	25.2	7.6	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	2.5	2.1	1.0							7.2	6.3
NNE	.7	2.1	1.7	.5							5.0	6.4
NE	.5	1.2	1.3	.1							3.2	6.3
ENE	2.2	1.7	.9	.3							5.1	4.7
E	2.7	2.5	.5	.2							6.0	4.3
ESE	1.7	2.0	.5	.1							4.3	4.2
SE	.8	1.4	.5	.1							2.8	5.0
SSE	1.5	1.6	1.4								4.6	5.2
S	2.0	2.7	2.7	1.0							8.4	6.4
SSW	.9	2.2	3.0	1.7							7.8	7.6
SW	.5	3.3	3.2	1.4							8.4	7.6
WSW	1.1	3.3	3.5	2.2							10.0	7.6
W	1.4	4.2	3.5	2.1	.1						11.3	7.2
WNW	.9	2.0	1.6	.4							4.9	6.4
NW	.3	1.3	2.0	.7		.1					4.3	7.9
NNW	.4	1.8	1.2	.1	.1						3.7	6.3
VARIABLE												
CALM	////////////////////										3.0	////
TOTALS	19.2	35.8	29.7	12.0	.2	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	3.7	3.6	.5							9.3	6.2
NNE	.9	1.1	1.5	.2							3.7	6.0
NE	.8	1.4	.9	.3							3.4	6.0
ENE	2.2	.8	.9								3.8	4.3
E	2.6	3.4	.8	.1							6.9	4.3
ESE	2.6	1.4	.2								4.2	3.4
SE	1.3	.5	.7								2.5	4.2
SSE	1.5	2.4	.7	.1							4.7	4.7
S	2.2	3.2	3.2	.7							9.2	6.0
SSW	1.1	2.4	2.8	1.3							7.6	7.4
SW	.5	1.5	2.8	1.5							6.4	8.0
WSW	.9	3.1	2.6	2.1							8.6	7.8
W	1.4	5.4	4.5	.9							12.2	6.6
WNW	1.1	1.6	1.5	.4							4.7	6.2
NW	1.4	1.2	1.4	.5	.1						4.7	6.4
NNW	.4	1.5	2.4	.4							4.8	7.0
VARIABLE												
CALM	////////////////////										3.4	////
TOTALS	22.3	34.6	30.4	9.2	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 918



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.2	5.0	2.6	.4								11.2	5.2
NNE	.8	1.3	.3									2.4	4.5
NE	1.7	1.4	.5	.1								3.8	4.2
ENE	1.6	1.1	.3	.1								3.2	3.8
E	2.9	1.5	.2	.2								4.9	3.4
ESE	2.8	.7	.1									3.6	2.5
SE	2.5	.4	.1									3.1	2.7
SSE	2.5	1.2	.3									4.0	3.5
S	4.3	3.3	2.0	.1								9.4	4.5
SSW	2.4	3.3	1.7									7.4	4.9
SW	2.0	2.6	.9	.2								5.7	4.6
WSW	1.4	2.4	1.5	.1	.1							5.6	5.6
W	3.4	4.2	1.9	.1	.2							9.8	5.0
WNW	.9	1.1	.5									2.5	4.9
NW	.5	.9	.5									2.0	5.3
NNW	1.6	2.0	2.1									5.7	5.3
VARIABLE													
CALM	////////////////////											15.9	////
TOTALS	34.3	32.4	15.7	1.4	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	5.2	4.1	1.6	.3							11.3	4.2
NNE	1.1	1.4	.3								2.9	4.2
NE	1.4	1.5	.4								3.4	3.8
ENE	1.4	.3	.1								1.9	2.7
E	3.6	1.3	.4								5.3	3.2
ESE	3.1	1.5	.1								4.7	3.1
SE	1.9	.5	.1								2.5	2.7
SSE	4.3	1.2	.2								5.7	2.9
S	3.8	4.8	2.2	.3	.1						11.2	4.9
SSW	3.5	2.9	2.1	.7							9.2	5.1
SW	1.7	2.2	.3								4.3	4.1
WSW	1.2	1.4	.3								2.9	4.1
W	1.4	1.3	.2								2.9	3.7
WNW	.5	.4	.2								1.2	4.5
NW	.8	.8	.3								1.9	4.2
NNW	1.4	1.5	.2	.1							3.3	4.1
VARIABLE												
CALM	////////////////////										25.5	////
TOTALS	36.3	27.4	9.3	1.4	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.8	3.0	1.6	.4							7.9	5.0
NNE	1.3	1.4	.9	.1							3.7	5.0
NE	1.6	1.7	.7	.1							4.1	4.6
ENE	1.8	1.2	.5	.1							3.6	4.2
E	2.8	1.9	.5	.1							5.2	3.8
ESE	2.7	1.5	.2	.0							4.5	3.3
SE	1.8	.8	.4	.1							3.1	3.7
SSE	2.4	1.7	.6	.0							4.6	3.9
S	3.3	3.9	2.3	.4	.0						10.0	5.1
SSW	2.4	2.9	2.1	.8	.0						8.2	5.8
SW	1.6	2.3	1.7	.7							6.3	6.0
WSW	1.4	2.1	1.8	.8	.0						6.1	6.4
W	2.0	3.2	1.9	.5	.1						7.7	5.7
WNW	.9	1.1	.8	.1							2.9	5.4
NW	.8	1.1	.7	.3	.0	.0					2.9	5.8
NNW	1.0	1.3	.9	.1	.0						3.4	5.2
VARIABLE												
CALM	////////////////////										15.9	////
TOTALS	30.4	31.3	17.6	4.7	.1	.0					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 7354

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	2.6	.7	.3							6.2	4.8
NNE	1.8	.9	.3								3.0	3.7
NE	2.0	1.3	.3								3.7	3.4
ENE	1.7	.2									1.9	2.2
E	2.0	1.6	.1								3.7	3.6
ESE	2.0	1.7									3.7	3.5
SE	1.8	1.2	.1								3.1	3.1
SSE	3.6	3.0	.4	.1							7.2	3.9
S	4.8	5.4	3.0	.1							13.3	4.6
SSW	3.2	3.6	2.9	.9							10.6	5.8
SW	1.8	2.5	1.9	.2							6.4	5.4
WSW	1.1	1.1	.7	.3							3.2	5.3
W	1.1	2.2	.3								3.7	4.0
WNW	.7	1.5	1.0	.7							3.8	6.6
NW	.6	1.2	.4	.2							2.5	5.6
NNW	1.3	1.8	.1	.3							3.6	4.8
VARIABLE												
CALM	////////////////////										20.5	////
TOTALS	32.1	31.8	12.4	3.2							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.1	1.8	.9	.6							6.4	4.5
NNE	1.2	1.3	.7								3.2	4.3
NE	2.5	1.5	.2								4.1	3.1
ENE	1.1	.2									1.3	2.2
E	2.1	1.3	.1								3.6	3.3
ESE	2.2	1.6									3.8	2.9
SE	3.1	1.0	.2								4.4	2.9
SSE	2.6	2.3	.7								5.6	4.1
S	3.1	5.4	1.7	.1							10.3	4.7
SSW	2.2	3.5	3.2	.9							9.8	6.1
SW	1.8	2.6	1.7	.6							6.6	5.4
WSW	1.1	1.7	1.6	.2							4.6	5.6
W	1.8	1.6	1.0	.1	.1						4.6	4.9
WNW	1.1	1.0	.4	.3							2.9	5.2
NW	1.1	2.0	.6								3.7	4.3
NNW	.6	1.2	.8	.1							2.7	5.7
VARIABLE												
CALM	////////////////////										22.4	////
TOTALS	30.9	30.0	13.8	2.9	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.1	1.5	.9								4.5	4.1
NNE	.8	1.6	.9	.1							3.4	5.2
NE	1.9	2.2	.4								4.6	4.1
ENE	1.2	.8	.1								2.1	3.4
E	1.9	.8	.6								3.2	3.8
ESE	2.5	1.2									3.7	3.1
SE	2.8	1.7	.1	.1							4.7	3.4
SSE	2.7	3.0	.7								6.4	4.0
S	2.9	5.7	1.9	.9	.1						11.5	5.5
SSW	1.7	3.6	3.5	1.1	.1						10.0	6.6
SW	2.0	1.8	1.9	.2							5.9	5.5
WSW	1.1	1.5	1.2	.6							4.4	6.1
W	1.0	3.1	1.5								5.6	5.2
WNW	1.2	1.6	1.0	.2							4.0	5.5
NW	.4	1.9	.1								2.5	4.2
NNW	.8	1.3	.3	.2							2.7	5.4
VARIABLE												
CALM	////////////////////										20.9	////
TOTALS	27.1	33.2	15.1	3.5	.2						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	1.5	1.5	.3							4.8	5.5
NNE	.7	1.5	1.7	.2							4.0	6.3
NE	.6	1.0	1.1								2.7	6.2
ENE	1.0	2.2	.8								4.0	4.9
E	.8	2.5	1.1								4.4	5.2
ESE	.7	.9	.4	.1							2.1	5.1
SE	1.7	1.5	.7	.2							4.0	4.8
SSE	1.0	2.0	1.5	.4							4.9	6.2
S	2.2	4.7	3.3	1.5	.2	.1					12.1	6.8
SSW	1.2	2.6	4.7	2.2	.1						10.8	8.2
SW	1.3	1.9	3.1	1.9	.3						8.6	8.3
WSW	.6	1.6	3.6	1.7	.2						7.6	8.8
W	1.2	2.5	3.3	1.7	.1						8.8	7.7
WNW	.8	.4	.9	.8							2.9	7.3
NW	.9	1.9	2.2	.3							5.4	6.4
NNW	1.0	1.8	1.7	.3							4.8	6.2
VARIABLE												
CALM	////////////////////										8.1	////
TOTALS	17.2	30.2	31.6	11.7	1.0	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	2.6	2.6	.6								6.6	6.6
NNE	.7	1.3	1.3	.2								3.6	6.2
NE	.6	1.3	.8	.1								2.8	5.4
ENE	.8	1.1	1.2									3.1	5.1
E	1.2	.7	.3	.1								2.3	4.3
ESE	.6	1.2	.4									2.2	4.9
SE	.7	1.7	.6									2.9	5.0
SSE	.6	.9	1.6	.4								3.5	6.7
S	1.6	2.6	4.0	1.3	.2							9.7	7.4
SSW	1.0	3.8	4.3	2.0	.3							11.5	7.9
SW	.4	2.0	3.8	3.8	.3	.1						10.5	10.1
WSW	.8	1.9	2.7	3.9	.3							9.6	9.8
W	1.0	3.1	4.2	2.7	.2							11.3	8.4
WNW	.2	1.2	2.5	1.3	.1							5.4	9.0
NW	.3	1.1	2.7	1.2								5.4	8.3
NNW	.2	2.2	2.5	.6								5.5	7.2
VARIABLE													
CALM	////////////////////											4.3	////
TOTALS	11.5	28.6	35.5	18.3	1.6	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 897



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	3.1	4.1	1.2							9.6	7.2
NNE	.8	1.3	1.8	.2							4.1	6.0
NE	.7	1.6	.4								2.7	4.7
ENE	1.0	1.4	.3								2.8	4.5
E	.7	.7	.7								2.0	5.1
ESE	.9	1.0	.1								2.0	4.3
SE	.9	.9	.3	.1							2.2	5.1
SSE	1.1	2.0	1.0	.2							4.3	5.6
S	1.2	2.7	4.9	1.3							10.1	7.3
SSW	1.1	2.7	4.7	1.9	.4						10.8	8.2
SW	.9	2.2	4.6	2.2	.7						10.6	9.0
WSW	.8	2.0	2.9	2.9	.3						8.9	9.0
W	.8	1.8	2.9	1.8	.7						7.9	9.1
WNW	1.0	1.3	1.9	1.3							5.6	7.6
NW	.7	1.3	1.4	1.0	.2						4.7	7.7
NNW	.8	2.5	3.0	.6							6.8	7.1
VARIABLE												
CALM	////////////////////										4.8	////
TOTALS	14.4	28.5	35.1	14.8	2.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.6	6.1	3.5	.8							13.9	5.5
NNE	.8	.7	.2	.1							1.8	4.6
NE	1.9	1.9	.2								4.0	3.6
ENE	2.1	.2									2.3	2.3
E	1.3	1.4									2.8	3.6
ESE	1.7	.9									2.6	3.0
SE	.9	1.3	.1								2.3	3.8
SSE	2.5	2.1	.6	.1							5.2	4.0
S	4.2	6.0	1.3	.6							12.2	4.8
SSW	3.5	6.1	2.1	.7							12.4	5.1
SW	1.4	2.3	1.4	.4							5.7	5.7
WSW	1.1	1.1	.6	.1							2.9	4.8
W	.6	2.0	.9	.2							3.7	5.8
WNW	.8	1.1	1.1	.4							3.5	6.3
NW	2.0	1.3	1.2	.6	.2						5.4	6.0
NNW	1.4	2.0	1.2	.4							5.1	5.8
VARIABLE												
CALM	////////////////////										14.3	////
TOTALS	29.8	36.4	14.5	4.5	.2						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	6.2	1.8	.3							10.7	4.9
NNE	1.1	1.2	.2								2.6	3.9
NE	2.2	1.1	.2								3.6	3.1
ENE	.9	.1	.1								1.1	2.7
E	2.8	1.3	.1								4.2	3.1
ESE	2.7	1.4									4.1	3.1
SE	2.5	.9	.3								3.7	3.2
SSE	3.2	4.3	.9								8.5	4.2
S	5.4	6.6	1.7	.2	.2						14.0	4.6
SSW	2.1	4.5	2.9	.4	.1						10.0	5.9
SW	1.4	1.2	.8								3.5	4.9
WSW	.4	1.2	.3		.1						2.1	5.5
W	1.3	1.4	.4	.1							3.3	4.4
WNW	.9	1.6	.6	.4							3.5	5.9
NW	1.2	1.1	.3	.8							3.5	6.2
NNW	.8	1.7									2.5	3.8
VARIABLE												
CALM	////////////////////										19.2	////
TOTALS	31.3	36.0	10.7	2.3	.4						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							GE 56	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33			
N	2.2	3.2	2.0	.5					7.8	5.5
NNE	1.0	1.2	.9	.1					3.2	5.2
NE	1.5	1.5	.5	.0					3.5	4.0
ENE	1.2	.8	.3						2.3	3.8
E	1.6	1.3	.4	.0					3.3	3.9
ESE	1.6	1.2	.1	.0					3.0	3.5
SE	1.8	1.3	.3	.1					3.4	3.8
SSE	2.1	2.5	.9	.2					5.7	4.6
S	3.2	4.9	2.7	.8	.1	.0			11.7	5.6
SSW	2.0	3.8	3.5	1.3	.1				10.7	6.7
SW	1.4	2.1	2.4	1.2	.2	.0			7.2	7.4
WSW	.9	1.5	1.7	1.2	.1				5.4	7.8
W	1.1	2.2	1.8	.8	.1				6.1	6.9
WNW	.8	1.2	1.2	.7	.0				3.9	6.9
NW	.9	1.5	1.1	.5	.1				4.1	6.4
NNW	.9	1.8	1.2	.3					4.2	6.0
VARIABLE										
CALM	////////////////////////////////////								14.3	////
TOTALS	24.3	31.9	21.1	7.7	.7	.0			100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 7166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	2.4	.6	.1								4.3	4.9
NNE	1.4	1.5	.6	.1								3.7	4.5
NE	1.8	.9	1.5	.1								4.3	5.2
ENE	1.5	3.0	.9	.4								5.8	5.3
E	1.9	5.1	1.6	.2								8.8	5.1
ESE	2.3	1.6										3.9	3.3
SE	.9	1.7	.3	.1								3.0	4.8
SSE	1.2	2.3	.8	.1	.1							4.4	5.4
S	2.8	5.4	2.2	1.1								11.4	5.5
SSW	1.0	3.7	2.0	1.1								7.7	6.7
SW	.6	2.0	.8	1.0	.1							4.5	7.3
WSW	1.4	3.0	1.8	.6	.2							7.1	6.5
W	1.6	4.0	1.1	2.2	.2							9.0	7.1
WNW	.9	1.3	1.8	.5								4.5	6.7
NW	.2	1.7	.5	.3								2.8	6.2
NNW	.6	.5	.5									1.7	4.6
VARIABLE													
CALM	////////////////////											13.0	////
TOTALS	21.3	40.0	17.1	8.0	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	1.5	1.1	.1							4.2	4.8
NNE	.8	1.6	.6								3.0	4.7
NE	2.3	1.9	1.2								5.4	4.7
ENE	1.2	1.7	1.3	.4							4.6	5.9
E	1.5	4.2	1.2								6.9	5.0
ESE	2.0	2.5	.5								5.1	4.0
SE	1.3	1.0	.3	.1							2.7	4.2
SSE	1.2	3.4	1.0	.3							5.9	5.1
S	2.7	3.8	1.5	1.2							9.1	5.9
SSW	1.8	3.1	1.4	.5							6.9	5.7
SW	1.4	2.3	1.7	.6	.2						6.2	6.6
WSW	1.7	2.3	1.4	1.1	.5						7.0	7.3
W	1.8	3.7	3.0	1.5	.3						10.3	7.2
WNW	1.0	1.5	1.7	.4							4.6	6.3
NW	.5	1.0	.8	.2							2.5	6.4
NNW	.9	.5	.8								2.2	4.6
VARIABLE												
CALM	////////////////////										13.4	////
TOTALS	23.5	35.9	19.5	6.6	1.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.2	.6	.1							3.0	4.6
NNE	.8	1.1	.6								2.5	4.8
NE	1.1	1.6	.6	.1							3.4	5.1
ENE	1.4	2.5	2.0	.3							6.2	5.8
E	2.0	4.1	1.4								7.5	4.9
ESE	1.9	1.4	.2								4.0	3.6
SE	.8	1.8	.5								3.1	4.8
SSE	.6	3.9	1.4	.2							6.1	5.7
S	2.8	3.8	1.3	1.5							9.4	5.9
SSW	1.4	3.0	2.5	1.0							7.8	6.6
SW	1.7	1.9	1.7	.5	.2						6.1	6.6
WSW	1.5	2.4	1.7	.8	.2	.1					6.7	7.1
W	2.2	3.8	2.6	1.6	.2	.1					10.4	6.9
WNW	.5	1.6	1.6	.6	.2	.1					4.7	7.9
NW	.8	.9	1.3	.3							3.2	6.2
NNW	.6	.8	.6	.1							2.2	5.5
VARIABLE												
CALM	////////////////////										13.5	////
TOTALS	21.2	36.0	20.9	7.2	.9	.3					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	1.2	1.7	.3								4.0	6.4
NNE	.8	1.5	.9	.2								3.3	5.8
NE	.3	.6	1.3	.2								2.5	6.9
ENE	.2	2.0	3.3	.8								6.3	7.7
E	.8	2.9	3.4	1.0								8.1	7.2
ESE	.8	1.4	1.2	.2								3.5	5.8
SE	.9	1.1	1.4	.2								3.5	6.3
SSE	.6	2.0	1.4	.9	.2							5.2	7.3
S	.4	2.4	4.4	1.9	.8							9.9	9.4
SSW	.8	1.6	3.1	1.2	.2							6.9	8.5
SW	.8	1.4	3.1	2.0	.6	.1						8.1	9.5
WSW	1.1	1.5	3.0	1.5	.4	.3						7.8	9.0
W	1.0	2.2	4.5	2.9	.5	.3						11.4	9.4
WNW	.6	2.3	2.8	2.0	.5							8.3	8.7
NW	.5	1.4	2.2	.6	.3							5.1	8.0
NNW	.2	1.3	1.1	.1								2.7	6.6
VARIABLE													
CALM	////////////////////											3.4	////
TOTALS	10.4	26.8	38.8	16.1	3.7	.8						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	2.0	2.6	.8							6.1	7.2
NNE	.8	1.1	1.1								2.9	5.4
NE	.1	1.6	.6								2.4	6.0
ENE	.2	1.9	2.3	.6							5.1	7.5
E	.4	2.8	3.2	1.0							7.4	7.3
ESE	.3	1.4	1.8	.4							4.0	7.2
SE	.2	1.2	1.0	.2							2.6	6.6
SSE	.6	1.3	1.4	.8		.1					4.2	7.5
S	.8	1.9	4.5	1.6	.5	.1	.1				9.6	9.1
SSW	.5	.9	2.6	3.3	.5						7.8	10.4
SW	.6	1.2	2.9	2.0	.8						7.5	10.0
WSW	.3	1.5	2.6	1.6	.2	.2					6.5	9.9
W	.3	1.5	4.2	4.5	1.1	.5					12.2	11.4
WNW	.4	1.4	3.4	2.6	1.0						9.2	9.9
NW	.9	1.0	2.0	1.4	.2						5.5	8.7
NNW	.2	1.4	2.0	.3							4.4	7.3
VARIABLE												
CALM	////////////////////										2.7	////
TOTALS	7.5	24.9	38.3	21.2	4.3	1.0	.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS: 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.4	2.7	.9							7.3	6.8
NNE	.5	.6	1.2	.1							2.5	6.4
NE	.2	1.5	.6	.3							2.7	6.5
ENE	1.0	2.4	3.0	.4							7.2	6.6
E	1.1	2.4	2.5	.4							6.3	6.4
ESE	.5	.8	1.1								2.4	5.7
SE	.1	.9	.9	.2							2.0	7.1
SSE	.2	1.5	1.6	.4	.2						4.0	8.2
S	.5	2.8	3.0	1.6		.2					8.2	8.1
SSW	.5	2.2	3.2	2.7	.1	.2					8.9	9.3
SW	.3	1.1	2.9	2.2	.2						6.7	9.4
WSW	.9	1.2	1.7	2.3	.3						6.3	9.2
W	1.1	1.5	4.1	4.7	1.1	.5					13.0	11.0
WNW	.6	1.5	1.5	3.1	.3						7.1	9.9
NW	.4	1.8	2.3	1.8	.1						6.5	8.5
NNW	.8	1.4	2.5	1.4	.1						6.1	8.3
VARIABLE												
CALM	////////////////////											2.8
TOTALS	10.2	26.2	34.7	22.6	2.5	1.0					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 1900-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	4.2	2.3	.3							8.3	5.6
NNE	.4	1.0	.5	.1							2.0	5.6
NE	2.2	2.2	.3	.2							4.8	4.3
ENE	1.5	4.2	1.1	.5							7.3	5.5
E	1.9	3.2	1.7	.1							7.0	4.9
ESE	.6	.6	.3								1.6	4.8
SE	1.1	1.2	.4								2.7	4.3
SSE	1.9	1.8	1.4	.1	.1						5.4	5.3
S	3.4	3.4	2.2	.4	.2						9.7	5.5
SSW	1.9	4.2	2.6	.3							9.0	5.6
SW	1.4	2.0	.8	.9							5.1	6.2
WSW	1.2	1.9	1.5	.2	.1						4.9	6.1
W	1.2	2.4	1.3	2.3	.1						7.2	8.1
WNW	.9	1.6	1.3	1.0	.1						4.8	7.2
NW	.6	1.4	2.2	.5	.1						4.8	7.3
NNW	1.4	2.4	1.6	.3							5.7	5.5
VARIABLE												
CALM	////////////////////										9.6	////
TOTALS	23.2	37.7	21.4	7.3	.8						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	4.1	1.3	.4							7.1	5.4
NNE	.9	1.4	1.0	.2							3.4	5.8
NE	1.0	2.4	1.2	.2							4.7	5.5
ENE	1.5	2.8	1.3	.6							6.2	5.7
E	2.7	5.3	1.2	.3							9.5	4.8
ESE	1.3	1.2	.4	.1							3.0	4.5
SE	.3	1.8	.6	.2							3.0	5.6
SSE	2.3	2.2	1.0	.4							5.8	5.1
S	3.4	4.0	2.4	1.1	.1						11.0	5.7
SSW	1.1	3.2	2.8	.4							7.5	6.4
SW	1.0	1.9	1.6	.4	.2						5.2	6.8
WSW	.8	1.6	1.2	.8	.1						4.4	7.0
W	1.1	3.8	1.5	1.8	.5						8.7	7.6
WNW	.2	1.2	1.4	.5							3.3	7.8
NW	.8	1.1	1.0								2.8	5.3
NNW	1.0	1.4	.6	.1							3.1	5.1
VARIABLE												
CALM	////////////////////										11.2	////
TOTALS	20.4	39.2	20.4	7.7	1.0						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.4	1.6	.4							5.5	5.8
NNE	.8	1.2	.8	.1							2.9	5.4
NE	1.1	1.6	.9	.1							3.8	5.3
ENE	1.1	2.6	1.9	.5							6.1	6.2
E	1.5	3.7	2.0	.4							7.7	5.7
ESE	1.2	1.4	.7	.1							3.4	4.8
SE	.7	1.3	.7	.1							2.8	5.4
SSE	1.1	2.3	1.2	.4	.1	.0					5.1	6.1
S	2.1	3.4	2.7	1.3	.2	.3	.0				9.8	6.8
SSW	1.1	2.7	2.5	1.3	.1	.0					7.8	7.4
SW	1.0	1.7	1.9	1.2	.3	.0					6.2	8.0
WSW	1.1	1.9	1.9	1.1	.3	.1					6.3	7.9
W	1.3	2.8	2.8	2.7	.5	.2					10.3	8.8
WNW	.6	1.6	1.9	1.4	.3	.0					5.8	8.4
NW	.6	1.3	1.5	.7	.1						4.1	7.4
NNW	.7	1.3	1.2	.3	.0						3.5	6.3
VARIABLE												
CALM	////////////////////										8.7	////
TOTALS	17.2	33.4	26.4	12.1	1.8	.4	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.0	2.3	1.2	.1	.3							6.0	5.6
NNE	.3	1.2	.4	.1								2.1	5.7
NE	.9	1.4	1.7	.1								4.1	6.1
ENE	1.2	1.3	.6	.7								3.8	6.1
E	.9	2.3	1.4	.9								5.6	6.7
ESE	1.3	1.2	.8	.1								3.4	5.0
SE	2.1	1.8	1.2									5.1	4.4
SSE	1.3	2.2	1.3	1.7	.1							6.7	7.3
S	2.3	5.2	3.9	1.4	.4							13.3	6.7
SSW	.9	2.2	1.8	1.4	.4							6.8	8.2
SW	.8	2.1	1.3	1.2	.2							5.7	7.8
WSW	1.1	1.4	1.2	1.7	.2							5.7	8.2
W	1.3	2.2	1.6	3.1	2.0	.2						10.4	10.8
WNW	.8	1.2	2.4	1.4	.6	.1						6.6	9.3
NW	.3	1.7	1.4	.7	.1							4.2	7.7
NNW	.3	.7	.8	.3	.1							2.2	7.8
VARIABLE													
CALM	////////////////////											8.3	////
TOTALS	18.0	30.7	23.1	15.0	4.6	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 56	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			
N	1.7	1.9	.9	.6	.1							5.1	5.7
NNE	.4	.9	1.0	.3								2.7	6.8
NE	.4	1.4	1.4	.2								3.6	6.6
ENE	1.2	1.1	1.4	.4								4.2	6.3
E	1.1	1.9	1.1	.8								4.9	6.0
ESE	1.4	2.0	.9	.2								4.6	5.0
SE	1.1	2.0	1.1	.1								4.3	5.2
SSE	.9	2.6	1.3	.8	.1							5.7	6.7
S	2.0	4.3	4.1	1.9	.4	.1	.1					13.0	7.7
SSW	1.2	2.6	1.8	1.1	.1	.1						6.9	7.4
SW	1.4	1.8	.9	1.4								5.6	7.0
WSW	.7	.9	1.7	1.6	.3							5.1	9.0
W	1.7	3.8	1.4	4.4	1.2	.1						12.7	9.5
WNW	.7	1.4	1.9	2.4	.4	.1						7.0	9.7
NW	1.0	1.0	.7	.6								3.2	6.2
NNW	.4	.8	.2	.4								1.9	6.9
VARIABLE													
CALM	////////////////////											9.7	////
TOTALS	17.4	30.3	21.9	17.3	2.8	.4	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.4	1.8	1.8	.4								5.4	6.0
NNE	1.1	.6	.9	.3								2.9	5.9
NE	1.0	.9	1.0									2.9	5.1
ENE	.3	2.2	1.9	.4	.1							5.0	7.0
E	1.6	2.0	1.0	.4								5.0	5.6
ESE	1.3	1.3	1.2	.1								4.0	5.3
SE	1.1	1.9	1.1	.1								4.2	5.0
SSE	1.3	2.1	2.6	1.2	.1							7.3	7.3
S	1.3	3.7	4.8	1.3	.4							11.6	7.5
SSW	1.2	2.9	3.2	.8	.1							8.2	6.9
SW	1.6	.7	1.4	1.2		.1	.1					5.1	8.1
WSW	1.1	1.0	1.2	1.3	.2	.1						5.0	8.4
W	1.6	2.4	3.2	4.8	.3							12.6	9.0
WNW	.2	1.9	2.4	1.8	.4	.2						7.0	9.8
NW	.9	.6	.4	.8								2.7	6.8
NNW	.8	.7	.3	.7								2.4	6.8
VARIABLE													
CALM	////////////////////											8.7	////
TOTALS	18.1	26.6	28.6	15.8	1.8	.4	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.8	2.2	1.0	.1						6.0	7.4
NNE	.6	1.1	1.2	.3							3.2	6.7
NE	.4	1.2	.9	.2							2.8	6.6
ENE	.4	2.1	2.8	.3	.1						5.8	7.4
E	.8	1.4	2.0	.7							4.9	6.8
ESE	.6	1.1	.6	.7							2.9	7.0
SE	.7	1.7	1.0	.6							3.9	6.1
SSE	1.2	2.2	2.6	1.3	.1						7.4	7.3
S	.8	2.6	4.6	3.0	.8	.1					11.8	9.4
SSW	.8	1.6	3.3	2.8	.1						8.6	9.0
SW	.9	.9	2.1	2.3	.8						7.0	9.9
WSW	.6	1.6	2.3	2.6	.2	.3					7.6	9.9
W	.9	2.7	4.4	4.3	.9	.1	.1				13.4	9.9
WNW	.2	.7	1.7	3.0	.6	.2					6.3	11.5
NW	.6	.9	1.2	.8							3.4	7.6
NNW	.6	.6	.4	.4	.1						2.1	7.3
VARIABLE												
CALM	////////////////////										2.9	////
TOTALS	10.8	24.0	33.3	24.3	3.8	.8	.1				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLYLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7	1.7	2.1	.9	.2							5.6	7.5
NNE	.8	.9	1.3	.3								3.3	6.3
NE	.7	.7	1.2	.6								3.1	6.8
ENE	.3	1.3	1.8	.2	.3							4.0	8.2
E	.2	2.6	2.2	.8								5.8	7.3
ESE	.8	1.1	.7	.8								3.3	6.9
SE	.2	1.4	.8	.6								3.0	7.0
SSE	.8	1.1	1.6	1.6	.1							5.1	8.5
S	.6	1.9	3.1	3.6	.6							9.7	9.8
SSW	.6	1.9	2.6	2.6	.7	.3						8.6	10.2
SW	.6	1.2	3.1	3.3	.3							8.6	10.0
WSW	.3	1.2	3.0	3.3	1.3	.6						9.8	11.8
W	.6	1.6	4.8	5.7	1.3	.7						14.6	11.5
WNW	.3	1.2	2.0	2.8	.6	.1						7.3	10.6
NW	.2	1.1	1.7	1.1								4.1	8.6
NNW	.3	.6	1.8	.6								3.2	8.0
VARIABLE													
CALM	////////////////////////////////////										1.3	////	
TOTALS	7.9	21.4	33.7	28.6	5.4	1.7						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.7	3.2	.8							6.7	7.2
NNE	.2	1.4	1.2	.4							3.3	7.1
NE	.7	.4	.7	.4							2.2	7.0
ENE	.6	1.4	2.7	.4	.2						5.3	7.6
E	.4	1.9	2.1	.6							5.0	7.2
ESE	.3	.6	1.0	.4							2.3	7.7
SE	.3	.9	1.0	.2							2.4	7.0
SSE	.8	1.9	1.4	1.0	.1						5.2	7.5
S	.7	2.1	3.2	3.2	.8						10.0	9.5
SSW	.7	2.2	3.8	2.4	.1	.1					9.3	8.8
SW	.8	2.1	2.1	1.6	.1						6.7	8.0
WSW	.8	1.6	3.0	1.7	.7	.3					8.0	9.7
W	.8	2.2	4.6	5.8	1.2	.8					15.3	11.2
WNW	.2	1.1	2.9	3.2	.7						8.1	10.6
NW	.3	1.0	1.0	2.0							4.3	9.1
NNW	.1	1.3	1.3	.7	.1						3.6	8.3
VARIABLE												
CALM	////////////////////											2.1
TOTALS	8.7	23.9	35.2	24.9	4.0	1.2					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	3.1	2.0	.7							6.7	6.3
NNE	.4	1.6	.4	.2							2.7	5.6
NE	.6	1.6	1.7								3.8	6.1
ENE	.3	2.0	2.0	.9	.1						5.3	7.9
E	.6	1.9	2.0	.9	.1						5.4	7.8
ESE	1.2	1.2	.2	.3	.1						3.1	5.5
SE	1.0	1.6	.9	.3							3.8	5.6
SSE	1.4	2.2	2.0	.9							6.6	6.6
S	2.1	3.7	1.8	2.6	.4						10.6	7.7
SSW	1.7	3.7	1.6	1.6		.1					8.6	6.5
SW	.7	2.6	.9	.4	.2						4.8	6.5
WSW	.4	.8	1.7	1.0	.2	.2					4.3	9.4
W	1.3	2.2	2.4	2.6	.9	.6					10.0	10.1
WNW	.7	1.1	1.7	2.3	.6						6.3	10.0
NW	.8	1.1	1.3	1.4	.2						4.9	8.5
NNW	.9	1.4	1.3	1.1							4.8	7.3
VARIABLE												
CALM	////////////////////										6.4	////
TOTALS	15.0	31.7	23.9	17.2	2.9	.9					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.2	2.2	.2	.2	.1					6.4	6.3
NNE	.7	1.2	.3	.3							2.6	5.3
NE	.2	1.9	1.2	.1							3.4	6.8
ENE	.2	1.4	1.3	.9	.1						4.0	8.5
E	.9	2.6	1.9	1.1							6.4	7.1
ESE	1.1	.9	1.2	.1	.2	.1					3.7	7.0
SE	1.2	1.6	1.2		.3						4.3	6.1
SSE	1.8	3.3	1.4	1.6							8.1	6.3
S	2.1	4.6	3.0	1.4	.3						11.4	6.9
SSW	.8	2.4	2.3	2.2	.3						8.1	8.4
SW	.8	2.0	1.0	1.2							5.0	7.0
WSW	.7	1.0	1.2	1.3	.6	.1					4.9	9.8
W	1.4	2.3	2.1	3.1	1.1	.8					10.9	10.5
WNW	.4	2.4	1.6	1.8	.4	.2					6.9	9.2
NW	.6	1.0	1.8	.7	.1						4.1	7.8
NNW	.4	.7	1.0	.2							2.3	6.9
VARIABLE												
CALM	////////////////////										7.3	////
TOTALS	14.8	31.6	24.9	16.3	3.8	1.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.1	2.0	.6	.1	.0					6.0	6.5
NNE	.6	1.1	.9	.3							2.8	6.2
NE	.6	1.2	1.2	.2							3.2	6.4
ENE	.6	1.6	1.8	.5	.1						4.7	7.4
E	.8	2.1	1.7	.8	.0						5.4	6.8
ESE	1.0	1.2	.8	.3	.0	.0					3.4	6.0
SE	1.0	1.6	1.0	.2	.0						3.9	5.6
SSE	1.2	2.2	1.8	1.2	.1						6.5	7.1
S	1.5	3.5	3.6	2.3	.5	.0	.0				11.4	8.1
SSW	1.0	2.4	2.5	1.9	.2	.1					8.1	8.2
SW	.9	1.7	1.6	1.6	.2	.0	.0				6.0	8.3
WSW	.7	1.2	1.9	1.8	.5	.2					6.3	9.7
W	1.2	2.4	3.1	4.2	1.1	.4	.0				12.5	10.4
WNW	.4	1.4	2.1	2.3	.5	.1					6.9	10.1
NW	.6	1.0	1.2	1.0	.1						3.9	7.9
NNW	.5	.8	.9	.6	.0						2.8	7.5
VARIABLE												
CALM	////////////////////										6.1	////
TOTALS	13.8	27.5	28.1	19.9	3.6	.9	.0				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.1	1.5								3.0	6.5
NNE	.4	.9	.8								2.0	5.8
NE	.1	1.3	1.0	.1							2.5	6.3
ENE	.2	.9	1.1	.8	.1						3.0	8.7
E	.6	1.3	2.7	.5							5.2	7.6
ESE	.8	1.5	.5	.2							3.0	5.6
SE	1.0	.8	.6	.4							2.8	6.1
SSE	.6	1.3	1.4	.5	.1						4.0	7.1
S	1.4	2.5	2.4	2.5	1.1						9.8	8.8
SSW	.5	2.0	2.9	2.6							8.1	8.8
SW	.8	3.1	2.6	2.2	.8	.3					9.7	9.2
WSW	.6	1.6	2.3	2.0	.6						7.2	9.6
W	.6	3.1	4.0	4.7	1.3	.5	.3				14.6	11.1
WNW	.3	.9	2.9	4.0	1.2	.2					9.5	11.9
NW	.2	1.8	2.4	1.5	.3						6.2	9.3
NNW	.3	.8	.6	.4							2.2	7.0
VARIABLE												
CALM	////////////////////										7.3	////
TOTALS	9.0	24.7	29.6	22.5	5.5	1.1	.3				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.1	1.5	1.3	.2					3.1	7.3
NNE	.3	.8	1.1						2.2	6.5
NE	.9	1.2	.9	.1					3.0	5.3
ENE	.5	1.1	.4	.8	.1				2.9	8.0
E	.8	1.8	1.4	.8					4.7	7.0
ESE	.4	.9	.9	.3					2.5	6.6
SE	.5	1.7	.6	.1					3.0	5.2
SSE	.6	1.3	1.8	.5					4.3	6.9
S	1.4	2.9	2.2	1.9	.4	.1			8.9	8.1
SSW	.8	2.8	4.0	2.2	.4	.1			10.2	8.7
SW	1.0	3.0	2.5	2.5	.9	.1			9.9	9.1
WSW	1.0	1.9	2.3	2.3	.3				7.7	8.7
W	1.0	2.9	3.2	4.1	1.9	.8	.2		14.1	11.5
WNW	.4	3.3	3.1	3.0	.5	.2			10.6	9.3
NW	.1	1.2	1.8	1.6	.1				4.8	9.5
NNW	.5	1.0	1.0	.3					2.8	6.5
VARIABLE										
CALM	////////////////////								5.2	////
TOTALS	10.3	29.7	28.4	20.6	4.7	1.3	.2		100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.7	1.1			.3					3.5	7.2
NNE	1.1	1.4	.1	.1							2.7	4.1
NE	.8	1.0	.6	.6	.2						3.2	7.5
ENE	.1	1.1	.8	.5	.2						2.7	8.8
E	1.1	.8	1.4	1.1							4.3	7.2
ESE	.2	1.0	.8	.2							2.2	6.9
SE	.5	1.4	1.1	.3							3.3	6.2
SSE	.3	1.0	1.6	.9	.1						3.9	8.6
S	1.5	4.1	2.7	2.2	.3						10.8	7.4
SSW	1.8	2.5	3.2	2.9	.6						11.1	8.5
SW	.9	2.2	2.6	2.7	.9	.4					9.6	10.0
WSW	.9	1.3	2.5	1.8	.1						6.6	8.7
W	.6	2.4	5.3	3.8	1.7	1.1	.1				14.9	11.3
WNW	.6	2.4	3.4	3.3	.4	.1					10.3	9.5
NW	.3	1.5	1.5	.9							4.2	7.6
NNW	.1	.6	.8	.3							1.8	7.9
VARIABLE												
CALM	////////////////////										4.9	////
TOTALS	11.3	26.1	29.4	21.6	4.9	1.6	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.3	1.3	1.0	.4						4.3	8.9
NNE	.1	.4	1.3		.1						1.9	7.5
NE	.2	1.1	1.0		.1						2.4	6.8
ENE	.4	1.2	.8	.9							3.2	7.7
E	.8	1.2	1.3	.3							3.5	6.4
ESE	.1	1.1	.4	.9							2.5	8.0
SE	.2	1.0	1.1	.6							2.9	8.3
SSE	.3	1.3	1.6	.8	.3						4.3	8.1
S	.9	2.4	3.9	2.7	.4						10.2	8.7
SSW	1.3	1.5	3.5	3.7	.8	.3					11.1	10.0
SW	.9	1.2	3.4	2.8	.8	.3	.1				9.5	10.9
WSW	.6	1.2	1.9	2.7	.6	.1	.1				7.3	10.4
W	.6	2.4	6.0	6.0	1.7	.3					17.1	10.8
WNW	.2	1.2	2.4	2.2	.5	1.1					7.5	12.1
NW	.5	1.2	1.5	.9	.2						4.3	8.4
NNW	1.0	.9	.3	1.0	.1						3.2	7.7
VARIABLE												
CALM	////////////////////										4.7	////
TOTALS	8.5	20.3	31.7	26.2	6.1	2.2	.2				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	1.1	1.5	1.3	.3							4.6	9.3
NNE	.1	.8	.8	.1								1.7	6.8
NE	.2	.5	1.0									1.7	6.0
ENE	.1	.5	.6	1.1								2.4	9.5
E	.4	1.2	1.0	.3								2.9	6.7
ESE	.2	1.4	.3	.2								2.2	6.3
SE	.3	1.3	1.2	.4								3.2	7.0
SSE	.1	1.1	2.4	.9								4.4	8.2
S	1.0	1.2	2.5	2.9	.9							8.4	10.2
SSW	.6	1.4	3.0	3.9	.6	.2						9.8	10.7
SW		2.5	2.7	3.3	1.3	.4	.1					10.3	11.5
WSW	.6	.9	2.3	4.3	.8	.2	.1					9.1	11.5
W	.9	2.4	6.0	8.1	1.8	1.9						20.1	11.5
WNW	.4	1.5	2.9	2.4	.5	.3	.1					8.2	10.7
NW	.8	.6	2.4	1.6	.3	.1						5.8	9.4
NNW	.3	.6	1.5	.8								3.2	8.5
VARIABLE													
CALM	////////////////////											1.9	////
TOTALS	6.6	18.9	31.9	31.5	6.6	2.3	.3					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	.8	2.7	.9	.1						5.2	8.0
NNE	.1	.5	.3								1.0	5.6
NE	.3	.8	.2	.2							1.5	6.1
ENE	.5	.4	.6	1.1							2.7	8.2
E	.9	1.1	1.2	.9							4.0	7.1
ESE	.9	1.0	.9								2.7	5.4
SE	.2	.9	1.5								2.6	6.4
SSE	1.0	.8	.9	1.0							3.5	7.3
S	1.0	2.7	2.0	2.0	.1	.1					8.0	8.2
SSW	1.0	2.4	3.4	2.9	.5	.1					10.3	9.2
SW	.4	1.7	2.2	3.7	.9	.2					9.0	11.0
WSW	.8	1.1	2.9	3.5	.3	.5					9.1	10.7
W	1.1	3.1	6.1	6.9	1.4	.6	.2				19.5	10.8
WNW	.6	1.0	1.9	2.7	1.1	.2					7.5	11.4
NW	.5	.6	2.6	2.0		.2					6.0	9.6
NNW	.3	1.0	1.3	1.0	.4	.1					4.1	9.8
VARIABLE												
CALM	////////////////////										3.3	////
TOTALS	10.3	19.7	30.8	28.7	4.8	2.2	.2				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.0	1.1	1.1							5.1	6.9
NNE	.1	.6	.3	.1							1.2	6.4
NE		.5	.3								.9	6.3
ENE	.2	1.0	1.2	1.1	.1						3.5	8.9
E	.5	1.6	1.0	.5							3.7	6.6
ESE	.3	1.2	.9	.3							2.7	6.6
SE	.9	1.1	1.8	.3							4.1	6.4
SSE	1.0	1.9	1.0	1.0							4.8	6.8
S	2.6	3.2	2.5	1.6	.2						10.1	6.8
SSW	1.4	2.0	2.0	1.6	1.0	.4					8.5	9.5
SW	.6	2.5	1.1	2.2	.8						7.1	9.5
WSW	.9	1.7	2.5	1.2	.8	.1	.1				7.2	9.4
W	1.0	2.9	5.3	4.1	1.2	.3		.1			14.8	10.3
WNW	.6	.6	3.0	3.4	.6	.4	.1				8.9	11.5
NW	.3	.9	1.7	1.7		.1					4.7	9.2
NNW	.8	1.0	1.3	.8	.3						4.1	8.3
VARIABLE												
CALM	////////////////////										8.6	////
TOTALS	12.0	24.8	26.9	21.0	4.9	1.4	.2	.1			100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.5	1.5	.5							4.3	6.8
NNE	.1	1.1	.4	.1							1.7	5.9
NE	.2	.9	.4	.1							1.6	5.7
ENE	.1	.9	1.2	.8	.1						3.0	8.0
E	.3	1.7	1.3	.9							4.2	7.6
ESE	.8	1.7	.4	.5							3.4	5.9
SE	.5	1.2	1.0	.6							3.3	6.8
SSE	.5	1.4	1.4	1.4							4.7	8.0
S	2.4	2.2	3.8	1.6	.4	.2					10.5	7.8
SSW	1.3	1.9	2.6	1.8	.3	.3					8.3	8.7
SW	1.1	2.2	1.9	2.4	.9						8.4	9.2
WSW	1.2	1.1	1.8	1.1	.9	.3	.1				6.5	10.4
W	.2	2.8	5.2	3.4	1.1	.9	.1				13.7	11.1
WNW	.4	.9	2.7	3.7	1.4	.1	.1				9.2	11.9
NW	.4	1.1	2.3	2.8	.5						7.1	10.3
NNW	.5	.2	1.0	.9							2.6	8.2
VARIABLE												
CALM	////////////////////											7.4
TOTALS	10.9	22.6	28.8	22.6	5.6	1.9	.3				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.4	1.5	.6	.1						4.1	7.7
NNE	.3	.8	.6	.1	.0						1.8	6.0
NE	.3	.9	.7	.1	.0						2.1	6.3
ENE	.3	.9	.8	.9	.1						2.9	8.5
E	.7	1.3	1.4	.7							4.1	7.1
ESE	.5	1.2	.6	.3							2.6	6.4
SE	.5	1.2	1.1	.4							3.2	6.5
SSE	.6	1.2	1.5	.9	.1						4.2	7.6
S	1.5	2.6	2.7	2.2	.5	.1					9.6	8.2
SSW	1.1	2.1	3.1	2.7	.5	.2					9.7	9.3
SW	.7	2.3	2.4	2.7	.9	.2	.0				9.2	10.1
WSW	.8	1.3	2.3	2.4	.6	.2	.1				7.6	10.0
W	.8	2.7	5.1	5.1	1.5	.7	.1	.0			16.1	11.1
WNW	.5	1.5	2.8	3.1	.8	.3	.0				9.0	11.0
NW	.4	1.1	2.0	1.6	.2	.1					5.4	9.3
NNW	.5	.8	1.0	.7	.1	.0					3.0	8.2
VARIABLE												
CALM	////////////////////										5.4	////
TOTALS	9.9	23.3	29.7	24.3	5.4	1.7	.2	.0			100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	2.5	2.0	.8	.1	.0	.0				7.0	6.5
NNE	.7	1.0	.8	.3	.0	.0					2.9	6.2
NE	.9	1.2	.9	.4	.1	.0	.0	.0			3.4	6.5
ENE	1.0	1.4	1.4	.9	.2	.0					4.8	7.5
E	1.3	2.1	1.5	.7	.1	.0	.0				5.8	6.6
ESE	1.2	1.3	.7	.3	.0	.0					3.6	5.4
SE	1.0	1.1	.7	.2	.0	.0					3.1	5.4
SSE	1.4	1.8	1.1	.4	.1	.0					4.8	5.8
S	2.0	3.1	2.4	1.2	.2	.0	.0				9.0	6.8
SSW	1.3	2.4	2.6	1.5	.2	.1	.0	.0			8.0	7.6
SW	1.0	1.9	2.0	1.4	.3	.1	.0	.0			6.7	8.1
WSW	.9	1.6	1.9	1.4	.3	.1	.0	.0			6.2	8.6
W	1.3	2.7	3.1	2.7	.9	.3	.1	.0			11.2	9.5
WNW	.7	1.3	1.8	1.5	.4	.1	.0	.0			5.8	9.2
NW	.7	1.3	1.4	1.0	.1	.0		.7			4.5	8.0
NNW	.8	1.3	1.2	.7	.1	.0	.0				4.1	7.3
VARIABLE												
CALM	////////////////////										9.2	////
TOTALS	17.7	28.3	25.4	15.5	3.0	.8	.1	.0			100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 87523



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POORLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(LST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE  
AND/OR  
CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	2.4	3.0	1.5	.2	.0						9.1	7.8
NNE	.5	1.0	1.3	.5	.1	.1						3.4	7.8
NE	.6	1.1	1.6	1.0	.2	.0	.0	.0				4.6	8.6
ENE	.8	1.4	2.1	2.1	.4	.1						6.9	9.2
E	1.1	2.1	2.3	1.8	.2	.0						7.5	8.0
ESE	.8	1.3	.9	.5	.0							3.5	6.4
SE	.7	.9	.8	.3								2.8	6.2
SSE	.8	1.0	.9	.6	.0							3.3	6.9
S	1.1	1.9	2.1	1.4	.2	.0						6.7	7.9
SSW	.8	1.4	1.6	.9	.1	.0						4.9	7.8
SW	.5	1.1	1.2	.9	.3	.0	.0					4.2	9.0
WSW	.7	1.1	1.7	1.6	.4	.1	.0					5.7	9.4
W	1.1	2.4	3.1	3.8	1.8	.7	.1					13.1	11.2
WNW	.5	1.4	2.1	2.1	.8	.4	.0					7.3	10.8
NW	.6	1.6	1.9	1.7	.2	.1						6.0	8.9
NNW	.6	1.4	2.0	1.2	.2	.1						5.6	8.5
VARIABLE													
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	6.4	////
TOTALS	12.5	23.4	28.7	22.1	5.2	1.6	.2	.0				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 12673

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## CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

### CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

#### NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

### SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.4	33.9	34.7	36.1	36.9	37.4	38.2	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 20000	16.2	36.0	37.2	38.9	39.8	40.3	41.1	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 18000	16.5	36.2	37.4	39.1	40.0	40.5	41.3	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 16000	16.5	36.2	37.4	39.1	40.0	40.5	41.3	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 14000	16.7	37.0	38.4	40.1	41.0	41.5	42.3	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 12000	16.8	37.6	39.2	41.0	41.8	42.4	43.1	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 10000	17.4	40.1	41.8	43.5	44.4	44.9	45.7	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 9000	17.5	40.2	41.9	43.7	44.5	45.1	45.8	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 8000	18.0	41.7	43.4	45.2	46.2	46.8	47.5	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 7000	18.1	41.8	43.5	45.4	46.5	47.0	47.7	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 6000	19.0	44.0	45.7	47.6	48.7	49.2	50.1	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 5000	19.7	45.8	47.2	49.8	50.9	51.5	52.6	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 4500	20.1	46.2	48.1	50.6	51.7	52.4	53.4	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 4000	20.9	47.6	49.9	52.5	53.7	54.3	55.4	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 3500	21.5	49.0	51.8	54.5	56.0	56.8	57.8	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 3000	22.4	52.0	54.9	57.6	59.8	60.5	61.6	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 2500	22.7	54.6	57.6	60.9	63.5	64.6	65.7	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 2000	23.5	57.6	61.4	64.9	67.6	69.0	70.1	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 1800	23.9	58.7	62.7	66.3	69.0	70.5	71.6	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 1500	24.4	61.1	65.7	69.5	72.7	74.3	75.5	76.6	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1200	24.5	63.3	68.2	72.0	75.6	77.2	78.8	79.9	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5
GE 1000	24.7	64.6	69.8	73.9	77.6	79.5	81.1	82.2	82.5	82.8	83.0	83.0	83.0	83.0	83.0	83.0
GE 900	24.7	64.7	70.0	74.4	78.6	80.5	82.4	83.5	83.9	84.2	84.4	84.4	84.4	84.4	84.4	84.4
GE 800	24.7	65.2	70.5	75.2	79.6	81.8	83.9	85.3	85.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1
GE 700	24.7	65.2	70.6	75.5	80.0	82.4	84.5	86.2	86.6	86.9	87.1	87.1	87.1	87.1	87.1	87.1
GE 600	24.7	65.3	71.1	75.9	80.6	83.5	86.0	88.2	88.5	88.9	89.2	89.2	89.5	89.5	89.7	90.1
GE 500	24.7	65.6	71.6	76.5	81.6	84.6	87.7	89.9	90.2	90.9	91.2	91.3	91.5	91.5	91.7	92.2
GE 400	24.7	65.6	71.6	76.8	82.0	85.4	88.8	91.4	91.8	92.7	93.2	93.3	93.8	93.8	94.0	94.4
GE 300	24.7	65.7	71.7	77.0	82.5	85.9	89.6	92.4	93.1	94.3	95.3	95.5	96.0	96.1	96.3	96.8
GE 200	24.7	65.7	71.7	77.0	82.5	85.9	89.6	92.5	93.2	94.4	95.7	95.9	96.7	96.9	97.2	97.6
GE 100	24.7	65.7	71.7	77.0	82.5	85.9	89.6	92.5	93.2	94.4	95.7	95.9	96.9	97.2	98.3	99.5
GE 0	24.7	65.7	71.7	77.0	82.5	85.9	89.6	92.5	93.2	94.4	95.7	95.9	97.1	97.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	14.3	33.3	34.3	35.4	36.0	36.5	36.8	37.5	37.5	37.7	37.7	37.7	37.7	37.8	37.8	38.1
GE 20000	14.8	34.5	35.5	36.8	37.4	37.8	38.2	38.9	38.9	39.1	39.1	39.1	39.2	39.4	39.4	39.6
GE 18000	14.8	34.5	35.5	36.8	37.4	37.8	38.2	38.9	38.9	39.1	39.1	39.1	39.2	39.4	39.4	39.6
GE 16000	14.8	34.5	35.5	36.8	37.4	37.8	38.2	38.9	38.9	39.1	39.1	39.1	39.2	39.4	39.4	39.6
GE 14000	15.3	35.4	36.3	37.6	38.3	38.7	39.0	39.8	39.8	40.0	40.0	40.0	40.1	40.2	40.2	40.4
GE 12000	15.5	36.0	37.1	38.4	39.0	39.5	39.8	40.5	40.5	40.8	40.8	40.9	41.0	41.0	41.0	41.2
GE 10000	16.6	39.6	40.6	41.9	42.6	43.0	43.3	44.1	44.1	44.3	44.3	44.4	44.5	44.5	44.5	44.7
GE 9000	16.6	39.7	40.8	42.0	42.7	43.1	43.4	44.2	44.2	44.4	44.4	44.5	44.6	44.6	44.6	44.8
GE 8000	16.8	40.9	42.0	43.3	44.0	44.6	44.9	45.7	45.7	45.9	45.9	46.0	46.1	46.1	46.1	46.3
GE 7000	17.0	41.1	42.3	43.5	44.2	44.8	45.2	45.9	45.9	46.1	46.1	46.2	46.3	46.3	46.3	46.6
GE 6000	17.8	43.8	44.9	46.6	47.3	48.0	48.4	49.1	49.1	49.4	49.4	49.5	49.6	49.6	49.6	49.8
GE 5000	18.9	46.1	47.5	49.4	50.2	50.9	51.4	52.3	52.3	52.7	52.7	52.8	52.9	52.9	52.9	53.1
GE 4500	19.2	47.5	48.9	51.0	51.8	52.5	53.0	54.0	54.0	54.4	54.6	54.7	54.8	54.8	54.8	55.1
GE 4000	19.8	48.9	50.6	52.7	53.8	54.4	54.9	55.9	55.9	56.3	56.6	56.7	56.8	56.8	56.8	57.0
GE 3500	20.3	49.9	51.8	54.1	55.4	56.1	56.7	57.7	57.7	58.2	58.4	58.5	58.6	58.6	58.6	58.8
GE 3000	21.0	52.8	55.1	57.5	59.5	60.2	60.8	61.9	61.9	62.4	62.6	62.7	62.8	62.8	62.8	63.0
GE 2500	21.2	54.4	57.3	59.9	61.9	62.7	63.3	64.5	64.5	65.1	65.3	65.4	65.5	65.5	65.5	65.7
GE 2000	21.8	57.4	61.0	63.9	66.2	67.0	67.8	69.0	69.0	69.6	69.8	69.9	70.0	70.0	70.0	70.2
GE 1800	21.9	58.0	61.5	64.4	66.9	67.6	68.7	69.9	69.9	70.4	70.6	70.8	70.9	70.9	70.9	71.1
GE 1500	22.5	59.8	63.5	67.4	70.2	71.0	72.3	73.5	73.7	74.3	74.5	74.6	74.7	74.7	74.7	74.9
GE 1200	22.9	61.8	66.1	70.3	73.7	74.7	76.2	77.5	77.6	78.4	78.6	78.7	78.8	78.8	78.8	79.0
GE 1000	22.9	63.5	68.1	72.5	76.1	77.2	79.1	80.6	80.8	81.5	82.2	82.3	82.5	82.5	82.6	82.8
GE 900	22.9	63.8	68.4	73.1	77.3	78.4	80.3	81.8	81.9	82.7	83.3	83.4	83.7	83.7	83.8	84.0
GE 800	22.9	64.1	68.8	73.8	78.4	79.8	81.8	83.4	83.5	84.3	85.1	85.2	85.4	85.4	85.5	85.9
GE 700	22.9	64.4	69.5	74.4	79.5	80.9	83.0	84.8	84.9	85.7	86.5	86.6	86.8	86.8	86.9	87.3
GE 600	22.9	64.4	69.5	74.4	79.9	81.3	83.5	85.8	86.0	86.8	87.5	87.6	87.8	87.8	88.1	88.6
GE 500	22.9	64.4	69.7	74.6	80.6	82.0	84.3	86.7	87.0	87.8	89.4	89.6	89.8	89.8	90.0	90.5
GE 400	22.9	64.6	70.0	74.9	81.3	83.0	85.7	88.8	89.1	90.0	91.7	91.9	92.3	92.3	92.5	93.1
GE 300	22.9	64.7	70.1	75.2	81.5	83.2	86.3	89.6	89.9	91.6	94.8	95.1	95.5	95.6	95.8	96.5
GE 200	22.9	64.7	70.1	75.3	81.6	83.3	86.5	89.7	90.0	92.2	95.5	95.7	96.3	96.7	97.0	97.8
GE 100	22.9	64.7	70.1	75.4	81.7	83.4	86.6	89.9	90.2	92.4	95.7	96.0	97.0	97.3	98.2	99.4
GE 0	22.9	64.7	70.1	75.4	81.7	83.4	86.6	89.9	90.2	92.4	95.7	96.0	97.0	97.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	11.7	33.0	34.3	35.7	36.3	36.9	37.3	37.7	37.7	38.0	38.2	38.2	38.3	38.3	38.3	38.3	38.3
GE 20000	11.9	34.6	35.9	37.5	38.4	38.9	39.4	39.8	39.8	40.0	40.2	40.2	40.3	40.3	40.3	40.3	40.3
GE 18000	11.9	34.6	35.9	37.5	38.4	38.9	39.4	39.8	39.8	40.0	40.2	40.2	40.3	40.3	40.3	40.3	40.3
GE 16000	11.9	34.6	35.9	37.5	38.4	38.9	39.4	39.8	39.8	40.0	40.2	40.2	40.3	40.3	40.3	40.3	40.3
GE 14000	12.4	35.7	37.0	38.6	39.5	40.0	40.4	40.9	40.9	41.1	41.3	41.3	41.4	41.4	41.4	41.4	41.4
GE 12000	12.7	36.3	37.7	39.4	40.3	40.9	41.3	41.7	41.7	41.9	42.2	42.2	42.3	42.3	42.3	42.3	42.3
GE 10000	14.1	39.2	40.6	42.4	43.3	43.9	44.3	44.7	44.7	44.9	45.2	45.2	45.3	45.3	45.3	45.3	45.3
GE 9000	14.1	39.2	40.6	42.4	43.4	44.0	44.4	44.8	44.8	45.1	45.3	45.3	45.4	45.4	45.4	45.4	45.4
GE 8000	14.3	40.5	41.9	43.7	44.7	45.4	45.8	46.3	46.3	46.6	46.8	46.8	46.9	46.9	46.9	46.9	46.9
GE 7000	14.3	40.8	42.2	44.0	45.2	45.8	46.2	46.8	46.8	47.0	47.2	47.2	47.3	47.3	47.3	47.3	47.3
GE 6000	14.9	42.0	43.4	45.6	46.8	47.4	47.8	48.4	48.4	48.6	48.8	48.8	48.9	48.9	48.9	48.9	48.9
GE 5000	15.9	44.3	45.7	47.8	49.4	50.0	50.6	51.2	51.2	51.6	51.8	51.8	51.9	51.9	51.9	51.9	51.9
GE 4500	16.2	45.4	46.8	48.9	50.6	51.3	51.9	52.5	52.5	53.0	53.2	53.2	53.3	53.3	53.3	53.3	53.3
GE 4000	16.7	46.6	48.0	50.4	52.4	53.0	53.8	54.4	54.5	55.1	55.3	55.3	55.4	55.4	55.4	55.4	55.4
GE 3500	17.0	47.6	49.1	51.8	53.9	54.5	55.4	56.2	56.3	56.9	57.1	57.1	57.2	57.2	57.2	57.2	57.2
GE 3000	17.8	49.7	51.3	54.2	56.8	57.4	58.3	59.1	59.4	59.9	60.1	60.2	60.3	60.3	60.3	60.3	60.3
GE 2500	18.5	51.8	53.8	57.2	59.9	60.9	61.8	62.7	62.9	63.4	63.7	63.8	63.9	63.9	63.9	63.9	63.9
GE 2000	18.9	54.6	57.0	60.8	63.5	64.6	65.8	66.7	66.9	67.5	67.8	68.0	68.1	68.1	68.1	68.1	68.1
GE 1800	18.9	55.5	57.8	61.6	64.4	65.5	66.7	67.5	67.7	68.4	68.7	68.8	68.9	68.9	68.9	68.9	68.9
GE 1500	19.8	58.0	60.9	65.2	68.4	69.5	70.6	71.5	72.0	72.7	73.0	73.1	73.2	73.2	73.2	73.2	73.2
GE 1200	20.0	59.7	62.9	67.6	71.3	72.4	74.0	74.8	75.4	76.1	76.8	76.9	77.1	77.1	77.1	77.1	77.1
GE 1000	20.1	61.1	64.7	70.1	74.2	75.3	77.2	78.4	78.9	79.9	80.8	80.9	81.4	81.4	81.4	81.4	81.4
GE 900	20.1	61.3	65.1	70.8	75.1	76.1	78.1	79.2	79.9	80.9	81.7	81.8	82.4	82.4	82.4	82.4	82.4
GE 800	20.2	61.9	66.1	72.0	76.9	78.1	80.0	81.4	82.0	83.0	83.9	84.0	84.6	84.6	84.6	84.6	84.6
GE 700	20.3	62.6	67.2	73.5	78.7	79.9	81.9	83.4	84.1	85.5	86.3	86.5	87.2	87.2	87.2	87.2	87.2
GE 600	20.3	62.7	67.3	73.7	78.8	80.0	82.4	84.2	84.8	86.3	87.2	87.3	88.1	88.3	88.3	88.3	88.6
GE 500	20.3	62.8	67.5	73.9	79.2	80.5	83.4	85.7	86.8	88.5	89.0	90.0	90.9	91.1	91.1	91.1	91.4
GE 400	20.3	63.1	68.0	74.4	80.3	81.6	85.1	88.2	89.5	91.2	93.0	93.1	93.9	94.1	94.1	94.1	94.4
GE 300	20.3	63.1	68.0	74.5	80.4	81.7	85.2	88.5	90.0	92.2	94.7	94.9	95.8	96.1	96.1	96.1	96.5
GE 200	20.3	63.1	68.0	74.5	80.4	81.7	85.2	88.5	90.2	92.5	95.2	95.4	96.3	96.8	97.7	98.2	98.2
GE 100	20.3	63.1	68.0	74.5	80.4	81.7	85.2	88.5	90.2	92.5	95.2	95.6	96.9	97.4	99.0	99.6	99.6
GE	C	20.3	63.1	68.0	74.5	80.4	81.7	85.2	88.5	90.2	92.5	95.2	95.6	96.9	97.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	9.1	28.7	31.5	34.0	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	
GE 20000	10.1	32.2	35.3	37.7	40.1	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	
GE 18000	10.1	32.2	35.3	37.7	40.1	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	
GE 16000	10.1	32.2	35.3	37.7	40.1	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	
GE 14000	10.2	32.4	35.5	38.0	40.3	40.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	
GE 12000	10.4	33.3	36.7	39.2	41.6	41.7	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	
GE 10000	12.2	37.2	40.6	43.9	46.6	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
GE 9000	12.5	38.1	41.5	44.8	47.5	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	
GE 8000	13.3	41.2	44.7	48.1	51.1	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	
GE 7000	13.5	41.5	45.1	48.5	51.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	
GE 6000	14.1	42.7	46.6	50.1	53.4	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	
GE 5000	14.2	43.8	47.6	51.2	54.8	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	
GE 4500	14.4	44.6	49.0	52.6	56.3	57.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	
GE 4000	14.5	46.1	50.3	54.3	58.5	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
GE 3500	14.8	47.2	51.5	55.9	60.4	61.5	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
GE 3000	15.1	48.1	52.5	57.4	62.2	63.3	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	
GE 2500	15.4	49.7	54.3	59.5	64.6	66.0	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	
GE 2000	15.9	51.9	56.8	62.5	67.8	69.5	70.3	70.5	70.6	70.8	70.8	70.9	70.9	70.9	70.9	70.9	
GE 1800	15.9	52.3	57.1	62.8	68.2	69.8	70.8	71.0	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	
GE 1500	15.9	52.9	58.3	64.4	69.9	71.6	72.7	72.9	73.1	73.3	73.5	73.8	73.8	73.8	73.8	73.8	
GE 1200	16.2	54.7	60.4	67.2	72.9	74.7	75.8	76.0	76.2	76.7	76.9	77.1	77.3	77.3	77.4	77.5	
GE 1000	16.2	55.9	62.6	69.5	75.7	77.7	79.2	79.5	79.8	80.3	80.8	81.0	81.3	81.3	81.4	81.5	
GE 900	16.2	56.6	63.2	70.3	76.8	79.0	80.6	81.4	81.7	82.3	82.7	82.9	83.2	83.3	83.4	83.5	
GE 800	16.2	56.9	63.9	71.7	79.5	81.8	83.5	84.3	84.6	85.2	85.7	85.9	86.3	86.5	86.6	86.7	
GE 700	16.2	57.2	64.5	72.6	81.0	83.4	85.2	86.2	86.6	87.1	87.8	88.1	88.6	88.7	88.8	88.9	
GE 600	16.2	57.2	64.5	72.6	81.1	83.7	85.5	86.6	87.0	88.0	88.8	89.1	89.8	89.9	90.0	90.1	
GE 500	16.2	57.2	64.5	72.7	81.4	84.4	86.7	88.3	89.1	90.4	91.5	91.8	92.5	92.6	92.7	93.1	
GE 400	16.2	57.2	64.5	72.7	81.5	84.6	87.0	89.6	90.8	92.3	93.4	93.8	94.5	94.6	94.7	95.2	
GE 300	16.2	57.2	64.5	72.7	81.5	84.6	87.0	89.7	91.0	92.8	94.8	95.2	96.0	96.3	96.6	97.0	
GE 200	16.2	57.2	64.5	72.7	81.6	84.7	87.1	89.9	91.1	92.9	95.1	95.4	96.5	97.0	98.1	98.5	
GE 100	16.2	57.2	64.5	72.7	81.6	84.7	87.1	89.8	91.1	92.9	95.1	95.5	96.6	97.2	99.0	99.8	
GE 0	16.2	57.2	64.5	72.7	81.6	84.7	87.1	89.8	91.1	92.9	95.1	95.5	96.6	97.2	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(1ST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	11.8	29.5	30.9	32.3	34.1	34.1	34.3	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4
GE 20000	14.1	35.1	36.6	38.1	40.1	40.1	40.5	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.6
GE 18000	14.1	35.1	36.6	38.1	40.1	40.1	40.5	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.6
GE 16000	14.1	35.2	36.7	38.2	40.2	40.2	40.6	40.6	40.6	40.6	40.8	40.8	40.8	40.8	40.8
GE 14000	14.3	35.8	37.4	38.9	41.0	41.0	41.5	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6
GE 12000	14.3	37.0	38.8	40.3	42.4	42.4	42.9	42.9	42.9	42.9	43.0	43.0	43.0	43.0	43.0
GE 10000	15.1	40.8	43.1	45.1	47.3	47.3	47.8	47.8	47.8	47.8	48.0	48.0	48.0	48.0	48.0
GE 9000	15.6	41.5	44.0	45.9	48.2	48.2	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8
GE 8000	17.2	44.1	46.8	48.8	51.2	51.2	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9
GE 7000	17.3	44.6	47.3	49.4	51.8	51.8	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6
GE 6000	17.3	45.3	48.1	50.4	53.1	53.1	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9
GE 5000	17.5	46.7	49.7	52.4	55.3	55.3	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0
GE 4500	17.5	46.7	49.7	52.4	55.3	55.3	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1
GE 4000	17.5	47.2	50.5	53.3	56.6	56.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7
GE 3500	18.0	48.5	51.8	54.6	58.0	58.2	59.1	59.2	59.2	59.2	59.4	59.4	59.4	59.4	59.4
GE 3000	18.6	50.6	54.2	57.2	60.6	60.9	61.9	62.0	62.2	62.2	62.3	62.3	62.3	62.3	62.3
GE 2500	18.7	53.0	56.6	59.7	63.2	63.5	64.6	64.8	64.9	64.9	65.2	65.2	65.2	65.2	65.2
GE 2000	18.8	54.8	59.2	63.1	66.9	67.4	68.8	69.1	69.2	69.5	70.0	70.1	70.2	70.2	70.2
GE 1800	18.8	55.1	59.7	63.8	67.5	68.1	69.5	69.8	69.9	70.1	70.6	70.8	70.9	70.9	70.9
GE 1500	18.9	58.1	63.5	68.3	72.7	73.3	74.8	75.2	75.4	76.0	76.9	77.1	77.2	77.2	77.2
GE 1200	19.1	60.4	66.5	71.8	76.5	77.1	78.9	79.7	80.2	81.2	82.0	82.3	82.6	82.7	82.8
GE 1000	19.1	61.1	67.3	73.0	78.2	79.1	81.0	81.9	82.5	83.5	84.6	84.8	85.2	85.3	85.4
GE 900	19.1	61.5	68.1	74.0	79.7	80.6	82.5	83.4	84.0	85.3	86.3	86.6	86.9	87.0	87.2
GE 800	19.1	61.7	68.7	75.3	81.8	82.9	84.9	85.9	86.6	88.1	89.1	89.4	89.7	89.8	90.1
GE 700	19.1	61.8	68.8	75.4	82.0	83.1	85.3	86.3	87.2	88.8	90.1	90.3	90.6	90.8	91.3
GE 600	19.1	61.9	69.2	76.0	82.9	84.5	86.9	88.3	89.4	91.0	92.3	92.5	92.9	93.0	93.5
GE 500	19.1	61.9	69.4	76.1	83.2	85.2	87.6	89.4	90.5	92.2	93.8	94.0	94.5	94.6	95.2
GE 400	19.1	61.9	69.4	76.2	83.7	85.6	88.3	90.2	91.4	93.4	95.1	95.5	96.0	96.3	97.0
GE 300	19.1	61.9	69.4	76.2	83.7	85.6	88.3	90.3	91.5	93.7	95.7	96.0	96.6	96.9	97.5
GE 200	19.1	61.9	69.4	76.2	83.7	85.6	88.3	90.3	91.5	93.8	95.8	96.3	97.1	97.4	98.4
GE 100	19.1	61.9	69.4	76.2	83.7	85.6	88.3	90.3	91.5	93.8	95.8	96.7	97.4	97.7	99.0
GE 0	19.1	61.9	69.4	76.2	83.7	85.6	88.3	90.3	91.5	93.8	95.8	96.7	97.4	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	12.2	28.8	30.9	32.4	34.1	34.1	34.2	34.4	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5
GE 20000	14.2	34.9	37.1	38.6	40.3	40.4	40.6	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0
GE 18000	14.2	35.1	37.2	38.7	40.4	40.5	40.8	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1
GE 16000	14.2	35.1	37.2	38.7	40.5	40.6	40.9	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2
GE 14000	14.2	35.7	37.8	39.5	41.3	41.4	41.6	41.8	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9
GE 12000	14.8	36.9	39.1	40.8	42.6	42.7	42.9	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2
GE 10000	16.1	40.1	42.8	44.8	46.9	47.0	47.2	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5
GE 9000	16.2	40.6	43.3	45.4	47.4	47.5	47.7	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1
GE 8000	17.3	42.8	45.9	48.1	50.1	50.2	50.5	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9
GE 7000	17.4	43.5	46.7	48.8	50.9	51.0	51.3	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6
GE 6000	17.5	44.5	47.7	50.2	52.6	52.7	53.0	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4
GE 5000	18.1	46.0	49.9	52.6	55.1	55.2	55.6	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0
GE 4500	18.3	46.5	50.3	53.0	55.5	55.6	56.0	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5
GE 4000	18.4	47.7	51.8	54.8	57.5	57.6	58.1	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5
GE 3500	18.9	49.0	53.1	56.2	58.9	59.0	59.5	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9
GE 3000	19.4	50.6	54.7	58.0	60.6	60.8	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7
GE 2500	19.8	53.9	58.4	61.9	65.3	65.4	65.9	66.2	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5
GE 2000	19.8	56.5	61.5	65.4	69.4	69.6	70.3	70.8	70.9	71.0	71.5	71.5	71.5	71.5	71.5	71.5
GE 1800	19.9	57.1	62.3	66.2	70.4	70.6	71.4	71.8	72.0	72.3	73.1	73.1	73.1	73.1	73.1	73.1
GE 1500	20.2	60.1	66.3	71.6	76.9	77.3	78.4	78.8	79.0	79.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1200	20.2	61.6	68.6	74.8	80.8	81.3	82.6	83.0	83.5	83.9	84.9	84.9	85.1	85.1	85.1	85.1
GE 1000	20.2	62.0	69.7	76.7	83.0	83.8	85.2	86.0	86.6	87.0	88.4	88.5	88.6	88.6	88.7	88.7
GE 900	20.2	62.2	69.9	76.9	83.3	84.1	85.8	86.7	87.4	88.1	89.5	89.6	89.7	89.7	89.8	89.8
GE 800	20.2	62.2	70.2	77.2	84.0	85.1	87.2	88.3	89.1	89.8	91.2	91.3	91.5	91.5	91.6	91.6
GE 700	20.2	62.2	70.2	77.4	84.7	85.9	88.1	89.1	90.0	90.8	92.4	92.6	92.9	92.9	93.0	93.0
GE 600	20.2	62.2	70.3	77.5	85.6	87.0	89.1	90.2	91.1	91.8	93.5	93.8	94.1	94.1	94.2	94.5
GE 500	20.2	62.2	70.4	77.7	85.8	87.2	89.4	90.5	91.4	92.4	94.2	94.4	94.7	94.7	94.8	95.2
GE 400	20.2	62.2	70.4	77.7	85.8	87.5	89.9	91.1	92.5	93.5	95.5	95.8	96.3	96.5	96.6	96.9
GE 300	20.2	62.2	70.4	77.7	85.8	87.5	90.0	91.2	92.7	93.8	96.0	96.3	97.2	97.4	98.0	98.3
GE 200	20.2	62.2	70.4	77.7	85.8	87.5	90.1	91.3	92.8	94.3	96.8	97.2	98.1	98.3	98.8	99.1
GE 100	20.3	62.3	70.5	77.8	85.9	87.6	90.2	91.4	92.9	94.4	96.9	97.3	98.4	98.7	99.5	99.9
GE 0	20.3	62.3	70.5	77.8	85.9	87.6	90.2	91.4	92.9	94.4	96.9	97.3	98.4	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	12.2	31.0	34.1	34.4	36.1	36.3	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 20000	13.9	36.0	39.7	40.0	41.7	41.9	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 18000	14.0	36.3	40.0	40.3	42.2	42.4	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 16000	14.0	36.3	40.0	40.3	42.2	42.4	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 14000	14.1	36.7	40.5	40.9	42.7	42.9	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 12000	14.5	38.0	42.2	42.5	44.3	44.5	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 10000	15.6	41.2	45.4	45.7	48.2	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 9000	15.6	41.5	45.7	46.0	48.5	48.7	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 8000	16.6	43.9	48.1	48.4	50.9	51.1	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 7000	16.8	44.1	48.3	48.6	51.1	51.3	51.5	51.5	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 6000	17.1	44.9	49.4	49.9	52.5	52.8	53.0	53.0	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 5000	18.0	47.3	51.9	52.6	55.4	56.0	56.2	56.2	56.5	56.7	56.8	56.8	56.8	56.8	56.8	56.8
GE 4500	18.1	48.0	52.6	53.4	56.2	56.9	57.1	57.1	57.3	57.5	57.6	57.6	57.6	57.6	57.6	57.6
GE 4000	18.1	48.7	53.5	54.4	57.2	57.8	58.1	58.1	58.3	58.5	58.6	58.6	58.6	58.6	58.6	58.6
GE 3500	18.4	49.7	54.7	55.7	58.6	59.4	59.6	59.6	59.8	60.2	60.3	60.3	60.3	60.3	60.3	60.3
GE 3000	18.7	52.0	57.1	58.1	61.2	61.9	62.2	62.2	62.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0
GE 2500	19.7	55.9	61.6	62.8	66.5	67.2	67.5	67.6	67.8	68.4	68.6	68.6	68.6	68.6	68.6	68.6
GE 2000	20.2	58.2	64.4	65.8	69.8	70.6	71.2	71.6	71.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0
GE 1800	20.3	59.4	65.7	67.2	71.5	72.4	73.0	73.4	73.7	74.6	74.8	74.8	74.8	74.8	74.8	74.8
GE 1500	20.3	62.0	69.0	71.3	76.7	78.2	79.0	79.8	80.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6
GE 1200	20.4	63.0	70.9	74.0	79.4	81.1	82.4	83.3	83.8	85.2	85.6	85.6	85.7	85.7	85.7	85.7
GE 1000	20.4	63.5	71.7	75.6	81.8	83.6	85.3	86.8	87.5	89.0	89.5	89.5	89.7	89.7	89.7	89.7
GE 900	20.4	63.5	71.7	75.7	81.9	83.9	85.5	87.1	87.8	89.4	89.8	89.8	90.1	90.1	90.1	90.1
GE 800	20.4	63.5	71.7	75.9	82.2	84.2	85.8	87.5	88.3	89.8	90.2	90.3	90.6	90.6	90.6	90.6
GE 700	20.4	63.5	71.7	76.2	82.7	84.8	86.5	88.2	88.9	90.5	91.2	91.4	91.8	91.9	91.9	91.9
GE 600	20.4	63.5	71.7	76.2	82.8	85.5	87.5	89.2	90.0	91.9	92.7	92.9	93.4	93.5	93.5	93.9
GE 500	20.4	63.5	71.8	76.3	82.9	85.7	88.4	90.2	91.0	92.9	93.7	93.9	94.4	94.5	94.5	94.8
GE 400	20.4	63.5	71.8	76.3	82.9	85.9	88.9	90.9	91.6	93.7	94.6	94.8	95.4	95.8	95.8	96.1
GE 300	20.4	63.5	71.8	76.3	82.9	85.9	89.1	91.3	92.3	94.8	96.0	96.2	97.1	97.7	98.0	98.4
GE 200	20.4	63.5	71.8	76.3	82.9	85.9	89.1	91.5	92.5	95.4	96.6	96.8	97.7	98.5	98.7	99.1
GE 100	20.4	63.5	71.8	76.3	82.9	85.9	89.1	91.5	92.5	95.4	96.6	96.8	97.7	98.9	99.5	100.0
GE 0	20.4	63.5	71.8	76.3	82.9	85.9	89.1	91.5	92.5	95.4	96.6	96.8	97.7	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	14.6	33.7	35.7	36.6	37.6	37.8	38.0	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 20000	15.5	37.2	39.7	40.9	41.9	42.2	42.3	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 18000	15.8	37.5	40.0	41.2	42.3	42.5	42.8	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 16000	15.8	37.5	40.0	41.2	42.3	42.5	42.8	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 14000	15.9	38.0	40.5	41.7	42.8	43.0	43.3	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 12000	16.3	39.2	42.4	43.5	44.6	44.8	45.2	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 10000	16.6	41.7	44.9	46.1	47.4	47.6	48.0	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 9000	16.7	41.8	45.1	46.2	47.5	47.7	48.1	48.4	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6
GE 8000	17.3	43.5	46.8	48.0	49.5	49.9	50.2	50.5	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9
GE 7000	17.7	44.0	47.2	48.4	49.9	50.3	50.6	51.1	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4
GE 6000	18.2	44.7	48.0	49.2	50.8	51.2	51.6	52.0	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4
GE 5000	19.1	47.3	50.5	52.2	53.8	54.4	54.9	55.5	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8
GE 4500	19.5	49.1	52.4	54.2	55.9	56.6	57.1	57.6	57.7	57.8	58.0	58.0	58.0	58.0	58.0	58.0
GE 4000	19.7	49.8	53.1	55.1	56.8	57.4	58.0	58.5	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8
GE 3500	20.3	51.6	55.1	57.1	59.5	60.1	60.6	61.2	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5
GE 3000	20.3	53.1	56.7	58.7	61.5	62.2	62.7	63.2	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7
GE 2500	20.6	56.8	60.5	63.2	66.1	66.9	67.6	68.2	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7
GE 2000	21.2	60.0	64.1	67.1	70.5	71.4	72.3	72.9	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4
GE 1800	21.2	60.4	64.5	67.8	71.6	72.5	73.4	74.2	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8
GE 1500	21.4	63.0	67.4	71.1	75.4	76.8	78.0	78.8	79.1	79.6	79.8	79.8	79.8	79.8	79.8	79.8
GE 1200	21.5	64.9	70.0	73.8	78.5	80.1	81.5	82.4	82.7	83.1	83.3	83.3	83.3	83.3	83.3	83.3
GE 1000	21.7	66.3	71.5	75.9	81.0	82.9	85.1	85.9	86.2	86.7	87.1	87.1	87.2	87.2	87.3	87.3
GE 900	21.8	66.7	72.0	76.6	81.6	83.7	85.8	86.7	87.0	87.4	87.8	87.8	88.0	88.0	88.1	88.1
GE 800	21.8	67.0	72.5	77.0	82.0	84.1	86.3	87.3	87.6	88.1	88.5	88.5	88.6	88.6	88.7	88.7
GE 700	21.8	67.0	72.6	77.5	82.6	84.6	87.2	88.2	88.6	89.0	89.5	89.5	89.6	89.6	89.7	89.7
GE 600	21.8	67.1	72.7	77.6	83.2	85.9	88.5	89.8	90.2	91.0	91.5	91.5	91.6	91.6	91.9	92.3
GE 500	21.8	67.2	72.9	78.0	83.5	86.2	89.5	91.0	91.4	92.2	92.7	92.7	92.9	92.9	93.2	93.5
GE 400	21.8	67.2	72.9	78.0	83.8	86.9	90.5	92.2	92.6	93.9	94.5	94.5	94.7	94.8	95.2	95.5
GE 300	21.8	67.2	72.9	78.1	83.9	87.0	90.6	92.7	93.2	94.8	95.7	95.7	96.2	96.7	97.0	97.3
GE 200	21.8	67.2	72.9	78.1	83.9	87.0	90.6	92.9	93.4	95.3	96.2	96.2	96.8	97.3	98.1	98.4
GE 100	21.8	67.2	72.9	78.1	83.9	87.0	90.8	93.0	93.5	95.4	96.3	96.3	96.9	98.0	99.0	99.4
GE 0	21.8	67.2	72.9	78.1	83.9	87.0	90.8	93.0	93.5	95.4	96.3	96.3	96.9	98.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	12.6	31.5	33.3	34.6	35.9	36.2	36.5	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	37.0
GE 20000	13.8	35.1	37.1	38.6	40.0	40.2	40.6	40.9	40.9	41.0	41.0	41.0	41.0	41.1	41.1	41.1
GE 18000	13.9	35.2	37.2	38.7	40.1	40.4	40.8	41.0	41.0	41.1	41.1	41.2	41.2	41.2	41.2	41.3
GE 16000	13.9	35.2	37.2	38.7	40.1	40.4	40.8	41.1	41.1	41.2	41.2	41.2	41.2	41.3	41.3	41.3
GE 14000	14.1	35.8	37.9	39.4	40.8	41.1	41.5	41.8	41.8	41.9	41.9	42.0	42.0	42.0	42.0	42.0
GE 12000	14.5	36.8	39.2	40.6	42.1	42.4	42.8	43.0	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.3
GE 10000	15.4	40.0	42.5	44.2	45.8	46.2	46.6	46.8	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.1
GE 9000	15.6	40.3	42.9	44.6	46.2	46.6	47.0	47.3	47.3	47.4	47.4	47.4	47.4	47.5	47.5	47.5
GE 8000	16.3	42.3	45.3	46.7	48.5	48.9	49.3	49.6	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9
GE 7000	16.5	42.7	45.3	47.1	48.9	49.4	49.8	50.1	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.4
GE 6000	17.0	44.0	46.7	48.7	50.6	51.1	51.6	51.9	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2
GE 5000	17.7	45.9	48.8	51.0	53.1	53.6	54.2	54.6	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9
GE 4500	17.9	46.8	49.7	52.0	54.2	54.7	55.3	55.7	55.7	55.9	56.0	56.0	56.0	56.1	56.1	56.1
GE 4000	18.2	47.8	51.0	53.4	55.8	56.4	57.0	57.4	57.4	57.6	57.7	57.7	57.7	57.8	57.8	57.8
GE 3500	18.7	49.1	52.4	55.0	57.6	58.2	58.8	59.3	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7
GE 3000	19.2	51.1	54.6	57.3	60.3	60.9	61.6	62.1	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.6
GE 2500	19.6	53.8	57.5	60.6	63.9	64.7	65.4	65.9	66.0	66.3	66.4	66.5	66.5	66.5	66.5	66.5
GE 2000	20.0	56.4	60.7	64.2	67.7	68.6	69.6	70.2	70.3	70.7	70.9	71.0	71.0	71.0	71.0	71.1
GE 1800	20.1	57.0	61.4	65.0	68.7	69.6	70.6	71.3	71.4	71.8	72.1	72.1	72.2	72.2	72.2	72.2
GE 1500	20.4	59.4	64.3	68.6	72.8	74.0	75.2	75.9	76.1	76.7	77.1	77.2	77.2	77.2	77.2	77.2
GE 1200	20.6	61.2	66.7	71.5	76.1	77.3	78.8	79.6	79.9	80.6	81.1	81.2	81.3	81.3	81.3	81.4
GE 1000	20.7	62.3	68.2	73.4	78.5	79.9	81.6	82.7	83.1	83.8	84.5	84.6	84.9	84.9	84.9	85.0
GE 900	20.7	62.5	68.5	74.0	79.3	80.8	82.6	83.7	84.2	85.0	85.7	85.8	86.0	86.1	86.1	86.2
GE 800	20.7	62.8	69.1	74.8	80.5	82.2	84.2	85.4	85.9	86.8	87.5	87.6	87.9	87.9	88.0	88.1
GE 700	20.7	63.0	69.4	75.3	81.4	83.1	85.2	86.6	87.1	88.0	88.9	89.0	89.3	89.4	89.5	89.6
GE 600	20.7	63.0	69.5	75.5	81.9	83.9	86.2	87.8	88.4	89.5	90.3	90.5	90.9	91.0	91.2	91.5
GE 500	20.7	63.1	69.7	75.7	82.3	84.5	87.1	89.0	89.7	90.9	92.0	92.2	92.6	92.7	92.9	93.3
GE 400	20.7	63.2	69.8	75.9	82.7	85.1	88.0	90.3	91.2	92.6	93.9	94.1	94.6	94.8	95.0	95.4
GE 300	20.7	63.2	69.9	76.0	82.8	85.2	88.3	90.7	91.7	93.5	95.4	95.6	96.3	96.6	96.9	97.3
GE 200	20.7	63.2	69.9	76.0	82.8	85.2	88.3	90.8	91.8	93.8	95.8	96.1	96.9	97.4	98.0	98.5
GE 100	20.7	63.2	69.9	76.0	82.8	85.2	88.3	90.9	91.9	93.9	95.9	96.3	97.2	97.8	98.9	99.7
GE 0	20.7	63.2	69.9	76.0	82.8	85.2	88.3	90.9	91.9	93.9	95.9	96.3	97.2	97.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.5	36.9	38.5	40.0	40.9	40.9	41.5	41.8	42.2	42.6	42.9	42.9	43.3	43.3	43.5	43.7
GE 20000	16.1	39.2	40.9	42.3	43.3	43.3	43.9	44.2	44.6	44.9	45.3	45.3	45.6	45.6	45.9	46.1
GE 18000	16.1	39.4	41.0	42.4	43.4	43.4	44.0	44.3	44.7	45.0	45.4	45.4	45.7	45.7	46.0	46.2
GE 16000	16.1	39.4	41.0	42.4	43.4	43.4	44.0	44.3	44.7	45.0	45.4	45.4	45.7	45.7	46.0	46.2
GE 14000	16.1	39.5	41.1	42.7	43.7	43.7	44.3	44.7	45.0	45.4	45.7	45.7	46.1	46.1	46.3	46.6
GE 12000	16.3	40.1	41.8	43.4	44.4	44.4	45.0	45.4	45.7	46.1	46.5	46.5	46.8	46.8	47.0	47.3
GE 10000	17.0	43.3	45.0	46.6	47.6	47.6	48.2	48.6	48.9	49.3	49.9	49.9	50.2	50.2	50.5	50.8
GE 9000	17.4	44.1	45.9	47.4	48.5	48.5	49.1	49.4	49.8	50.1	50.7	50.7	51.1	51.1	51.3	51.7
GE 8000	17.4	45.5	47.4	49.3	50.4	50.4	50.9	51.3	51.7	52.0	52.6	52.6	53.0	53.0	53.2	53.5
GE 7000	17.6	45.9	47.8	49.6	50.7	50.7	51.3	51.7	52.0	52.4	53.0	53.0	53.3	53.3	53.5	53.9
GE 6000	18.2	48.1	50.4	52.2	53.7	53.7	54.3	54.6	55.0	55.3	55.9	55.9	56.3	56.3	56.5	56.9
GE 5000	18.9	50.2	52.8	55.0	56.9	56.9	57.4	57.8	58.2	58.5	59.1	59.1	59.5	59.5	59.8	60.2
GE 4500	19.3	52.5	55.2	57.6	59.9	59.9	60.5	60.9	61.2	61.6	62.2	62.2	62.5	62.5	62.9	63.2
GE 4000	19.4	53.4	56.1	58.5	61.3	61.3	61.9	62.8	63.1	63.5	64.1	64.1	64.4	64.4	64.8	65.1
GE 3500	19.4	54.5	57.6	60.2	63.1	63.1	63.7	64.5	64.9	65.2	65.8	65.8	66.2	66.2	66.5	66.9
GE 3000	19.7	55.8	59.0	61.7	65.0	65.0	65.7	66.7	67.0	67.4	68.0	68.0	68.3	68.3	68.7	69.0
GE 2500	20.4	58.3	61.8	64.5	68.1	68.1	68.8	69.7	70.1	70.4	71.0	71.0	71.4	71.4	71.7	72.1
GE 2000	20.8	60.8	64.9	67.8	71.6	71.6	72.3	73.3	73.6	74.1	74.7	74.7	75.1	75.1	75.4	75.8
GE 1800	20.8	61.0	65.1	68.1	72.0	72.0	72.7	73.8	74.1	74.6	75.2	75.2	75.5	75.5	75.9	76.2
GE 1500	21.2	63.0	67.4	71.0	75.1	75.1	76.0	77.2	77.5	78.0	78.6	78.6	79.0	79.0	79.3	79.7
GE 1200	21.2	63.1	67.6	71.6	75.9	76.0	77.1	78.4	78.7	79.4	80.0	80.0	80.4	80.4	80.7	81.1
GE 1000	21.5	63.7	68.6	72.9	77.8	77.9	79.3	80.6	81.1	82.0	82.6	82.6	83.0	83.0	83.3	83.7
GE 900	21.5	64.1	68.9	73.4	78.3	78.5	80.1	81.7	82.3	83.3	84.0	84.0	84.4	84.4	84.8	85.1
GE 800	21.5	64.2	69.1	73.9	79.2	79.6	81.3	82.9	83.5	84.8	85.5	85.5	85.9	85.9	86.3	86.6
GE 700	21.5	64.2	69.1	73.9	79.6	79.9	81.8	83.3	83.9	85.5	86.2	86.2	86.9	86.9	87.2	87.6
GE 600	21.5	64.2	69.1	73.9	80.0	80.4	82.4	84.0	84.6	86.3	87.4	87.4	88.1	88.1	88.4	88.8
GE 500	21.5	64.2	69.1	73.9	80.0	80.7	83.9	85.9	86.5	88.2	89.2	89.2	90.2	90.2	90.5	90.9
GE 400	21.5	64.2	69.1	73.9	80.1	81.2	84.8	86.9	87.7	89.4	90.8	90.8	91.7	92.0	92.4	92.8
GE 300	21.5	64.2	69.1	73.9	80.3	81.3	85.0	87.4	88.2	90.0	91.5	91.5	92.6	93.0	93.6	94.0
GE 200	21.5	64.2	69.1	73.9	80.3	81.3	85.0	87.4	88.2	90.1	91.8	91.8	93.3	93.9	94.6	95.7
GE 100	21.5	64.2	69.1	73.9	80.3	81.3	85.0	87.4	88.2	90.1	91.8	91.8	93.3	94.0	94.9	98.7
GE 0	21.5	64.2	69.1	73.9	80.3	81.3	85.0	87.4	88.2	90.1	91.8	91.8	93.3	94.0	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.6	35.9	38.1	39.8	40.9	41.1	41.8	42.7	42.7	42.7	42.7	42.7	42.7	43.0	43.1	43.3	43.6
GE 20000	16.3	38.5	40.7	42.4	43.5	43.7	44.4	45.3	45.3	45.3	45.3	45.3	45.3	45.6	45.7	45.9	46.2
GE 18000	16.3	38.5	40.7	42.6	43.6	43.9	44.6	45.4	45.4	45.4	45.4	45.4	45.4	45.7	45.9	46.0	46.3
GE 16000	16.3	38.5	40.7	42.6	43.6	43.9	44.6	45.4	45.4	45.4	45.4	45.4	45.4	45.7	45.9	46.0	46.3
GE 14000	16.3	38.8	40.9	42.8	44.0	44.2	44.9	45.7	45.7	45.7	45.7	45.7	45.7	46.1	46.2	46.3	46.7
GE 12000	16.7	39.8	42.0	43.9	45.2	45.4	46.1	46.9	46.9	46.9	46.9	46.9	46.9	47.3	47.4	47.5	47.9
GE 10000	17.5	42.6	44.8	46.7	48.0	48.2	48.9	49.8	49.8	49.8	49.8	49.8	49.8	50.1	50.2	50.4	50.7
GE 9000	18.0	43.4	45.6	47.5	48.8	49.1	49.8	50.6	50.6	50.6	50.6	50.6	50.6	50.9	51.1	51.2	51.5
GE 8000	18.2	44.9	47.3	49.5	50.9	51.2	51.9	52.7	52.7	52.7	52.7	52.7	52.7	53.1	53.2	53.3	53.7
GE 7000	18.6	45.6	48.0	50.2	51.7	51.9	52.6	53.4	53.4	53.4	53.4	53.4	53.4	53.8	53.9	54.0	54.4
GE 6000	18.8	47.8	50.1	52.5	54.3	55.1	55.8	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.1	57.2	57.6
GE 5000	18.8	48.8	51.4	53.9	55.7	56.5	57.2	58.0	58.0	58.0	58.0	58.2	58.2	58.5	58.6	58.7	59.1
GE 4500	19.4	50.0	52.7	55.2	57.2	58.0	58.7	59.6	59.6	59.6	59.7	59.7	59.7	60.0	60.2	60.3	60.6
GE 4000	19.4	53.8	53.5	56.3	58.4	59.3	60.0	60.9	60.9	60.9	61.1	61.1	61.1	61.5	61.6	61.7	62.1
GE 3500	19.5	52.2	55.3	58.4	60.6	61.6	62.3	63.1	63.1	63.1	63.4	63.4	63.4	63.7	63.8	63.9	64.3
GE 3000	19.7	53.8	57.0	60.4	62.6	63.7	64.4	65.4	65.4	65.4	65.4	65.6	65.6	66.0	66.1	66.2	66.5
GE 2500	20.2	56.4	59.8	63.2	65.6	66.8	67.6	68.6	68.6	68.6	68.6	68.8	68.8	69.1	69.3	69.4	69.7
GE 2000	20.6	57.4	60.9	64.4	67.3	68.6	69.5	70.6	70.7	70.7	70.7	70.9	70.9	71.3	71.4	71.5	71.9
GE 1800	20.7	57.9	61.3	64.9	67.7	69.0	70.0	71.0	71.2	71.2	71.4	71.4	71.4	71.7	71.9	72.0	72.3
GE 1500	20.8	59.6	63.1	66.9	70.2	71.6	72.9	74.2	74.3	74.3	74.7	75.1	75.1	75.4	75.5	75.7	76.0
GE 1200	20.8	60.2	63.9	67.7	71.2	72.6	74.3	75.9	76.0	76.7	77.1	77.1	77.1	77.4	77.5	77.7	78.0
GE 1000	20.9	60.4	64.4	68.6	72.3	74.1	75.9	77.5	77.7	78.6	79.1	79.1	79.4	79.6	79.7	79.7	80.0
GE 900	21.0	60.9	64.9	69.1	73.6	75.5	77.3	79.0	79.1	80.0	80.5	80.5	80.9	81.0	81.1	81.4	81.4
GE 800	21.0	61.7	65.7	70.0	74.6	76.6	78.6	80.7	80.9	81.9	82.6	82.6	83.0	83.2	83.3	83.7	83.7
GE 700	21.0	61.7	65.8	70.2	75.1	77.2	79.2	81.4	81.6	82.7	83.6	83.6	84.0	84.4	84.5	84.9	84.9
GE 600	21.2	62.3	66.5	71.0	76.1	78.4	80.4	82.6	82.7	83.9	84.9	84.9	85.3	85.7	85.8	86.2	86.2
GE 500	21.2	62.3	66.5	71.0	76.4	79.0	82.0	84.5	84.6	85.9	87.2	87.2	88.2	88.5	88.8	89.1	89.1
GE 400	21.2	62.3	66.8	71.3	76.7	79.7	83.2	86.1	86.2	87.6	89.0	89.0	90.0	90.3	90.5	90.9	90.9
GE 300	21.2	62.3	66.8	71.3	76.7	79.7	83.2	86.8	86.9	88.3	89.3	89.8	90.9	91.4	91.6	92.0	92.0
GE 200	21.2	62.4	67.0	71.5	77.0	79.9	83.5	87.0	87.2	88.7	90.2	90.4	92.0	92.7	93.3	94.1	94.1
GE 100	21.2	62.4	67.0	71.5	77.0	79.9	83.6	87.1	87.4	88.8	90.4	90.7	92.2	92.9	94.2	97.8	97.8
GE 0	21.2	62.4	67.0	71.5	77.0	79.9	83.6	87.1	87.4	88.8	90.4	90.7	92.2	92.9	94.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSEON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS/ST: 6000-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	12.1	31.0	33.6	35.5	36.8	37.4	37.6	38.5	38.7	39.4	39.6	39.6	39.6	39.7	39.7	40.2
GE 20000	12.5	33.0	35.6	37.5	38.9	39.6	40.0	40.9	41.0	41.8	42.1	42.1	42.1	42.2	42.2	42.7
GE 18000	12.5	33.0	35.7	37.6	39.0	40.0	40.3	41.3	41.4	42.2	42.4	42.4	42.4	42.6	42.6	43.0
GE 16000	12.5	33.0	35.7	37.6	39.0	40.1	40.4	41.4	41.5	42.3	42.6	42.6	42.6	42.7	42.7	43.1
GE 14000	12.5	33.1	35.8	37.7	39.2	40.3	40.7	41.6	41.7	42.6	42.8	42.8	42.8	42.9	42.9	43.4
GE 12000	12.9	33.8	36.6	38.7	40.2	41.3	41.6	42.6	42.7	43.5	43.7	43.7	43.7	43.9	43.9	44.3
GE 10000	13.8	36.4	39.5	41.6	43.4	44.4	44.9	46.0	46.1	46.9	47.2	47.2	47.2	47.3	47.3	47.8
GE 9000	14.1	37.4	40.4	42.6	44.3	45.4	45.9	46.9	47.0	47.9	48.1	48.1	48.1	48.2	48.2	48.7
GE 8000	14.3	38.8	42.0	44.2	46.2	47.5	48.0	49.1	49.2	50.0	50.2	50.2	50.2	50.4	50.4	50.8
GE 7000	14.7	39.2	42.6	44.8	46.8	48.1	48.6	49.6	49.8	50.6	50.8	50.8	50.8	50.9	50.9	51.4
GE 6000	14.9	41.1	44.7	47.3	49.3	50.8	51.3	52.4	52.5	53.3	53.5	53.5	53.5	53.7	53.7	54.1
GE 5000	15.1	42.6	46.1	48.7	50.9	52.6	53.1	54.1	54.3	55.1	55.3	55.3	55.3	55.4	55.4	55.9
GE 4500	15.2	44.0	47.8	50.5	52.7	54.4	54.8	55.9	56.0	56.9	57.1	57.1	57.1	57.2	57.2	57.7
GE 4000	15.2	44.6	48.5	51.2	53.4	55.1	55.6	56.7	56.9	57.7	57.9	57.9	57.9	58.0	58.0	58.5
GE 3500	15.2	46.5	50.7	53.4	56.0	57.7	58.2	59.3	59.5	60.3	60.5	60.5	60.5	60.6	60.6	61.1
GE 3000	15.4	48.0	52.7	55.6	58.3	60.2	60.6	61.8	61.9	62.9	63.1	63.1	63.1	63.2	63.5	64.1
GE 2500	15.6	50.0	55.0	57.9	60.9	62.8	63.2	64.4	64.5	65.5	65.7	65.7	65.7	65.8	66.1	66.7
GE 2000	15.7	51.3	56.5	59.5	62.8	64.7	65.5	66.7	66.8	67.8	68.1	68.1	68.2	68.3	68.6	69.1
GE 1800	15.7	51.9	57.2	60.3	63.6	65.5	66.4	67.6	67.7	68.8	69.0	69.0	69.1	69.3	69.5	70.1
GE 1500	16.0	53.4	59.2	62.6	67.0	69.1	70.3	71.5	71.6	72.9	73.2	73.2	73.3	73.4	73.6	74.2
GE 1200	16.1	54.5	60.5	64.1	68.9	71.2	72.8	74.1	74.2	75.5	76.0	76.0	76.2	76.4	76.6	77.2
GE 1000	16.1	55.4	61.8	65.6	70.7	73.3	74.9	76.5	76.6	78.0	78.6	78.6	78.8	79.0	79.2	79.8
GE 900	16.1	56.0	62.5	66.4	71.6	74.5	76.1	77.7	77.8	79.2	79.8	79.8	80.0	80.1	80.4	81.0
GE 800	16.1	56.4	63.1	67.5	72.8	75.7	77.4	79.1	79.2	80.9	81.6	81.6	81.8	81.9	82.2	82.7
GE 700	16.1	56.6	63.4	68.2	73.8	76.6	78.4	80.1	80.3	82.0	83.1	83.2	83.9	84.0	84.3	84.9
GE 600	16.1	57.0	63.8	68.7	74.2	77.1	79.0	81.0	81.1	83.0	84.2	84.3	85.1	85.2	85.5	86.1
GE 500	16.1	57.2	64.2	69.1	74.7	77.5	79.9	81.9	82.0	83.9	85.6	85.8	87.0	87.1	87.4	87.9
GE 400	16.1	57.3	64.4	69.4	75.1	78.0	81.0	83.5	83.7	85.7	87.6	87.8	89.1	89.4	89.6	90.3
GE 300	16.1	57.3	64.4	69.5	75.2	78.3	81.2	83.8	84.0	86.1	88.3	88.5	90.3	90.5	90.8	91.5
GE 200	16.1	57.3	64.4	69.5	75.2	78.3	81.2	84.3	84.5	86.5	89.2	89.5	91.5	92.0	92.6	94.2
GE 100	16.1	57.3	64.4	69.5	75.2	78.3	81.2	84.3	84.5	86.8	89.6	89.8	92.0	92.4	93.5	97.0
GE 0	16.1	57.3	64.4	69.5	75.2	78.3	81.2	84.3	84.5	86.8	89.6	89.8	92.0	92.4	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	7.6	28.6	30.7	33.6	35.1	36.3	36.5	37.2	37.7	38.2	38.4	38.7	38.7	38.7	38.8	38.9
GE 2000	8.3	31.4	34.2	37.2	39.4	40.8	41.1	42.0	42.4	43.0	43.3	43.5	43.6	43.6	43.7	43.9
GE 1800	8.3	31.4	34.2	37.2	39.4	40.8	41.1	42.0	42.4	43.0	43.3	43.5	43.6	43.6	43.7	43.9
GE 1600	8.3	31.4	34.2	37.2	39.4	40.8	41.1	42.0	42.4	43.0	43.3	43.5	43.6	43.6	43.7	43.9
GE 1400	8.3	31.7	34.4	37.5	39.6	41.0	41.4	42.2	42.7	43.3	43.5	43.7	43.9	43.9	44.0	44.1
GE 1200	8.5	31.9	34.8	38.2	40.4	42.0	42.3	43.1	43.6	44.2	44.4	44.7	44.8	44.8	44.9	45.0
GE 1000	9.2	33.6	36.4	40.2	42.6	44.3	44.7	45.5	46.0	46.7	46.9	47.2	47.3	47.3	47.4	47.5
GE 900	9.5	34.4	37.2	41.1	43.6	45.4	45.7	46.6	47.0	47.8	48.0	48.2	48.3	48.3	48.5	48.6
GE 800	9.6	37.0	40.0	43.9	46.5	48.2	48.6	49.4	49.9	50.7	50.9	51.2	51.4	51.4	51.5	51.7
GE 700	9.6	37.6	40.5	44.4	47.4	49.2	49.5	50.4	50.8	51.7	51.9	52.1	52.4	52.4	52.5	52.6
GE 600	9.7	38.4	41.7	45.7	48.8	50.6	50.9	51.8	52.2	53.1	53.3	53.5	53.8	53.8	53.9	54.0
GE 500	10.2	41.0	44.6	48.6	52.0	53.8	54.1	55.0	55.4	56.3	56.5	56.7	57.0	57.0	57.1	57.2
GE 450	10.2	41.6	45.2	49.2	52.6	54.4	54.7	55.6	56.0	56.9	57.1	57.3	57.6	57.6	57.7	57.8
GE 400	10.2	42.8	46.8	51.4	54.8	56.6	57.0	57.8	58.3	59.1	59.5	59.7	60.0	60.0	60.3	60.4
GE 350	10.2	43.4	47.6	52.2	56.1	57.9	58.3	59.1	59.6	60.4	60.8	61.0	61.3	61.3	61.6	61.7
GE 300	10.3	45.5	50.0	54.8	58.9	60.6	61.0	62.1	62.5	63.5	63.9	64.2	64.7	64.7	64.9	65.0
GE 250	10.3	47.0	51.5	56.4	60.9	62.5	62.9	64.1	64.5	65.5	66.0	66.2	66.7	66.7	66.9	67.0
GE 200	10.4	49.1	54.0	59.2	63.7	65.6	66.1	67.4	68.1	69.5	70.0	70.2	70.7	70.7	70.9	71.0
GE 180	10.4	49.6	54.8	60.0	64.7	66.5	67.1	68.6	69.3	70.8	71.3	71.5	72.0	72.0	72.2	72.3
GE 150	10.4	50.8	56.4	62.3	67.4	69.6	70.6	72.1	72.8	74.6	75.1	75.3	75.8	75.8	76.0	76.1
GE 120	10.4	51.3	57.1	63.0	68.4	70.8	72.2	74.0	74.7	76.5	77.1	77.3	77.8	77.8	78.0	78.1
GE 100	10.4	52.0	57.9	63.9	69.9	72.6	74.3	76.5	77.3	79.1	80.3	80.6	81.1	81.2	81.6	81.7
GE 90	10.4	52.4	58.5	64.5	70.6	73.3	75.3	77.5	78.4	80.1	81.3	81.7	82.2	82.3	82.6	82.7
GE 80	10.4	52.7	58.9	64.9	71.2	74.0	76.2	78.5	79.3	81.1	82.5	82.9	83.3	83.5	84.0	84.2
GE 70	10.4	53.1	59.7	66.1	72.6	75.4	78.1	80.4	81.2	83.1	84.6	85.0	85.5	85.6	86.2	86.3
GE 60	10.4	53.1	59.7	66.4	73.0	76.0	78.8	81.2	82.0	84.0	85.7	86.1	86.6	86.8	87.4	87.6
GE 50	10.4	53.1	59.7	66.7	73.4	76.5	79.3	81.9	82.7	84.8	87.1	87.5	88.3	88.5	89.4	89.7
GE 40	10.4	53.1	59.7	66.7	74.3	78.3	81.2	84.3	85.6	87.9	90.3	90.7	91.6	92.1	92.9	93.4
GE 30	10.4	53.1	59.7	66.8	74.5	78.4	81.3	84.6	86.1	88.5	91.0	91.4	92.6	93.1	94.1	94.7
GE 20	10.4	53.1	59.7	66.8	74.5	78.4	81.3	84.9	86.3	88.8	91.5	92.0	93.3	94.0	95.3	96.5
GE 10	10.4	53.1	59.7	66.8	74.5	78.4	81.3	85.0	86.4	88.9	91.6	92.1	93.5	94.3	96.5	98.7

TOTAL NUMBER OF OBSERVATIONS: 846



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	9.4	32.7	35.3	37.7	39.7	40.2	41.0	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 20000	10.6	37.5	40.3	42.7	44.7	45.2	46.0	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 18000	10.6	37.5	40.3	42.7	44.7	45.2	46.0	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 16000	10.6	37.5	40.3	42.7	44.7	45.2	46.0	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 14000	10.6	38.2	41.1	43.6	45.6	46.1	46.9	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 12000	10.6	38.8	41.7	44.4	46.8	47.3	48.1	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 10000	11.6	40.7	43.6	46.6	48.9	49.4	50.2	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 9000	11.6	41.0	44.0	46.9	49.3	49.8	50.6	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 8000	11.9	43.6	46.9	49.9	52.2	52.7	53.5	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 7000	11.9	44.0	47.3	50.5	53.0	53.4	54.3	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 6000	11.9	44.7	48.2	51.4	53.9	54.4	55.2	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 5000	12.4	45.7	49.8	53.0	56.0	56.6	57.4	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 4500	12.4	46.1	50.1	53.3	56.5	57.1	57.9	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 4000	12.4	46.5	50.7	54.7	58.0	58.6	59.5	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 3500	12.4	47.0	51.3	55.6	58.9	59.5	60.3	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 3000	12.6	48.5	53.7	58.2	61.6	62.3	63.2	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 2500	12.8	50.2	55.6	60.2	63.8	64.7	65.6	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 2000	12.9	53.0	58.3	63.4	68.0	69.1	70.2	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 1800	13.0	53.4	58.9	64.2	69.0	70.2	71.4	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 1500	13.2	55.0	60.8	67.0	72.6	73.9	75.3	76.4	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8
GE 1200	13.2	56.0	62.2	68.8	74.9	76.2	77.7	78.7	79.1	79.1	79.2	79.2	79.3	79.3	79.3	79.3
GE 1000	13.2	57.2	63.6	70.6	77.7	79.3	81.1	82.7	83.1	83.2	83.7	83.7	83.8	83.8	83.8	83.8
GE 900	13.2	57.3	63.6	70.9	78.1	79.8	81.6	83.2	83.7	83.8	84.3	84.3	84.4	84.4	84.5	84.5
GE 800	13.2	57.3	64.2	71.5	79.1	80.7	82.7	84.6	85.5	85.7	86.3	86.3	86.6	86.6	86.8	87.1
GE 700	13.2	57.4	64.5	72.0	79.9	81.6	84.2	86.4	87.2	87.5	88.1	88.1	88.4	88.4	88.5	88.9
GE 600	13.2	57.8	65.1	72.7	81.0	82.6	85.2	87.7	88.5	88.9	89.5	89.5	90.0	90.0	90.1	90.7
GE 500	13.2	57.8	65.1	72.7	81.2	83.2	86.1	88.7	89.7	90.5	91.4	91.4	92.0	92.0	92.1	92.7
GE 400	13.2	57.9	65.5	73.2	82.4	84.5	87.7	90.5	91.6	92.7	93.5	93.5	94.1	94.2	94.3	94.9
GE 300	13.2	57.9	65.5	73.2	82.5	84.6	87.8	90.8	92.1	93.7	94.6	94.6	95.5	96.0	96.1	96.9
GE 200	13.2	57.9	65.5	73.2	82.5	84.8	87.9	91.1	92.4	94.2	95.2	95.3	96.3	96.9	97.4	98.3
GE 100	13.2	57.9	65.5	73.2	82.5	84.8	87.9	91.1	92.4	94.2	95.2	95.4	96.5	97.4	98.0	99.6
GE 01	13.2	57.9	65.5	73.2	82.5	84.8	87.9	91.1	92.4	94.2	95.2	95.4	96.5	97.4	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	11.6	33.5	36.5	38.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 20000	13.1	39.1	42.3	44.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 18000	13.1	39.1	42.3	44.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 16000	13.1	39.1	42.3	44.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 14000	13.2	39.6	42.8	45.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 12000	13.4	40.9	44.1	46.5	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 10000	13.7	44.1	47.4	50.0	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 9000	13.9	44.4	47.9	50.5	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 8000	14.1	46.5	50.0	52.6	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 7000	14.1	46.6	50.4	53.0	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 6000	14.1	47.3	51.3	53.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 5000	14.3	48.8	53.0	55.9	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 4500	14.3	49.8	54.3	57.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 4000	15.0	51.1	55.7	59.0	61.9	62.1	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4
GE 3500	15.0	51.8	56.6	60.0	63.0	63.1	63.2	63.2	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5
GE 3000	15.7	54.0	59.2	63.1	66.2	66.3	66.7	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1
GE 2500	16.2	56.9	62.3	66.4	69.5	69.6	70.0	70.3	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6
GE 2000	16.3	59.3	65.1	69.4	73.0	73.2	73.8	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.5	74.5
GE 1800	16.4	59.7	65.5	69.7	73.8	73.9	74.6	74.9	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.3
GE 1500	16.7	62.4	68.3	73.3	77.9	78.0	78.7	79.6	79.7	79.8	79.9	79.9	79.9	79.9	80.0	80.0
GE 1200	16.7	63.4	69.3	74.3	79.6	79.8	80.9	81.7	81.8	81.9	82.3	82.3	82.3	82.3	82.4	82.4
GE 1000	16.7	64.4	70.3	75.8	81.8	82.5	83.9	85.0	85.5	85.7	86.3	86.3	86.3	86.3	86.4	86.4
GE 900	16.7	64.7	70.7	76.2	82.7	83.5	84.9	86.2	86.6	86.9	87.5	87.5	87.6	87.6	87.7	87.7
GE 800	16.7	64.7	70.8	76.6	83.6	84.3	86.1	87.8	88.3	88.5	89.1	89.1	89.5	89.5	89.6	89.7
GE 700	16.7	64.9	71.0	76.8	84.0	84.9	86.6	88.5	89.1	89.7	90.4	90.4	90.8	90.8	90.9	91.0
GE 600	16.7	64.9	71.0	76.8	84.2	85.3	87.1	89.1	89.8	90.7	91.5	91.6	92.0	92.0	92.3	92.4
GE 500	16.7	64.9	71.2	77.0	84.6	86.2	87.9	90.2	91.1	92.1	93.3	93.5	94.2	94.2	94.7	94.8
GE 400	16.7	64.9	71.2	77.0	85.2	86.9	88.8	91.1	92.2	93.3	94.6	94.8	95.5	95.5	96.1	96.2
GE 300	16.7	64.9	71.2	77.0	85.5	87.1	89.1	91.5	92.6	93.6	95.4	95.9	96.8	96.8	97.4	97.5
GE 200	16.7	64.9	71.2	77.0	85.5	87.1	89.1	91.5	92.6	93.7	95.5	96.1	97.2	97.5	98.7	98.8
GE 100	16.7	64.9	71.2	77.0	85.5	87.1	89.1	91.5	92.6	93.7	95.5	96.1	97.2	97.6	98.8	99.3
GE 0	16.7	64.9	71.2	77.0	85.5	87.1	89.1	91.5	92.6	93.7	95.5	96.1	97.2	97.6	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	GL	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	10	6	5	4	3	2	1 1/2	1 1/4	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	1	11.5	36.2	38.2	40.3	41.4	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 20000	13.2	41.0	43.0	45.2	46.5	46.6	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 18000	13.2	41.0	43.0	45.2	46.8	46.9	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 16000	13.2	41.0	43.0	45.2	46.8	46.9	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 14000	13.2	41.1	43.1	45.7	47.4	47.5	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 12000	13.4	42.6	44.6	47.2	49.2	49.3	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 10000	14.1	46.0	48.2	51.2	53.3	53.5	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1
GE 9000	14.1	46.2	48.5	51.4	53.5	53.8	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4
GE 8000	14.1	48.6	50.8	54.5	57.0	57.2	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8
GE 7000	14.4	49.4	51.7	55.6	58.0	58.3	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.9	58.9	58.9	58.9
GE 6000	14.8	50.7	53.0	56.9	59.6	59.9	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5
GE 5000	15.0	53.7	56.4	60.6	63.4	63.7	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
GE 4500	15.0	54.5	57.3	61.6	65.1	65.5	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1
GE 4000	15.4	55.3	58.3	62.8	66.3	66.7	67.0	67.0	67.0	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5
GE 3500	15.5	56.0	59.1	63.8	67.4	67.7	68.2	68.2	68.2	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7
GE 3000	16.4	58.0	61.3	66.8	70.4	70.8	71.3	71.3	71.4	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9
GE 2500	16.9	61.2	64.5	70.2	74.5	74.8	75.3	75.3	75.4	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
GE 2000	17.0	62.1	65.4	71.3	76.1	76.5	77.1	77.1	77.2	77.5	77.5	77.5	77.5	77.7	77.7	77.7	77.7
GE 1800	17.0	62.3	65.6	71.5	76.5	76.8	77.4	77.4	77.5	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0
GE 1500	17.3	63.8	67.4	73.6	78.7	79.3	80.0	80.0	80.1	80.6	80.7	80.7	80.7	80.9	80.9	80.9	80.9
GE 1200	17.3	64.7	68.4	74.7	80.1	81.1	81.9	82.3	82.4	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1
GE 1000	17.3	65.2	69.0	75.4	81.3	82.6	83.7	84.4	84.5	85.0	85.6	85.6	85.6	85.7	85.8	85.9	85.9
GE 900	17.3	65.6	69.5	75.9	81.8	83.2	84.9	85.6	85.7	86.2	86.8	86.8	86.8	86.9	87.0	87.1	87.1
GE 800	17.3	66.0	70.0	76.4	82.6	84.3	85.9	87.0	87.2	87.7	88.3	88.3	88.3	88.4	88.5	88.7	88.7
GE 700	17.3	66.0	70.1	76.5	83.0	84.6	86.5	87.7	88.1	88.7	89.2	89.2	89.2	89.4	89.5	89.6	89.6
GE 600	17.3	66.3	70.4	77.0	83.7	85.8	88.1	89.4	90.0	90.5	91.1	91.1	91.1	91.3	91.4	91.5	91.5
GE 500	17.3	66.3	70.6	77.1	83.9	86.4	89.0	90.5	91.1	92.7	93.5	93.6	94.0	94.1	94.2	94.2	94.2
GE 400	17.3	66.3	70.6	77.1	84.0	86.6	89.5	91.1	92.0	93.9	95.0	95.3	95.7	95.9	96.0	96.0	96.0
GE 300	17.3	66.3	70.6	77.1	84.2	86.9	89.8	91.5	92.4	94.4	95.6	96.0	96.6	96.8	96.9	96.9	96.9
GE 200	17.3	66.3	70.6	77.1	84.2	86.9	89.8	91.5	92.6	94.6	96.2	96.6	97.5	98.1	98.6	98.8	98.8
GE 100	17.3	66.3	70.6	77.1	84.2	86.9	89.8	91.5	92.6	94.6	96.3	96.7	97.6	98.2	98.8	99.6	99.6
GE 0	17.3	66.3	70.6	77.1	84.2	86.9	89.8	91.5	92.6	94.6	96.3	96.7	97.6	98.2	98.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	17.5	41.4	42.8	44.2	45.4	45.4	45.5	45.6	45.6	45.9	46.1	46.1	46.3	46.5	46.5	46.5
GE 20000	19.6	45.0	46.5	48.0	49.2	49.2	49.3	49.4	49.4	49.6	49.9	49.9	50.1	50.2	50.2	50.2
GE 18000	19.6	45.0	46.5	48.0	49.2	49.3	49.4	49.5	49.5	49.8	50.0	50.0	50.2	50.4	50.4	50.4
GE 16000	19.6	45.0	46.5	48.0	49.2	49.3	49.4	49.5	49.5	49.8	50.0	50.0	50.2	50.4	50.4	50.4
GE 14000	19.7	45.2	46.6	48.2	49.4	49.5	49.6	49.8	49.8	50.0	50.2	50.2	50.5	50.6	50.6	50.6
GE 12000	19.7	45.4	46.8	48.5	49.8	49.9	50.0	50.1	50.1	50.4	50.6	50.6	50.8	50.9	50.9	50.9
GE 10000	20.2	48.8	50.5	52.1	53.5	53.7	53.8	54.0	54.0	54.3	54.5	54.5	54.8	55.0	55.0	55.0
GE 9000	20.3	48.9	50.6	52.2	53.7	53.8	53.9	54.1	54.1	54.4	54.6	54.6	55.0	55.1	55.1	55.1
GE 8000	20.7	50.7	52.6	54.8	56.3	56.4	56.5	56.7	56.7	57.0	57.2	57.2	57.6	57.7	57.7	57.7
GE 7000	20.9	51.5	53.4	55.7	57.1	57.2	57.3	57.6	57.6	57.8	58.0	58.0	58.4	58.5	58.5	58.5
GE 6000	21.2	53.1	55.0	57.2	59.2	59.5	59.7	59.9	59.9	60.2	60.4	60.4	60.8	60.9	60.9	60.9
GE 5000	21.5	55.3	57.6	60.2	62.5	62.8	63.0	63.2	63.2	63.5	63.7	63.7	64.1	64.2	64.2	64.2
GE 4500	21.5	55.9	58.4	61.6	64.3	64.5	64.9	65.1	65.1	65.4	65.6	65.6	66.0	66.1	66.1	66.1
GE 4000	21.6	57.4	59.9	63.1	66.0	66.2	66.5	66.9	66.9	67.1	67.4	67.4	67.7	67.8	67.8	67.8
GE 3500	21.6	58.6	61.2	64.4	67.3	67.5	67.8	68.2	68.2	68.4	68.7	68.7	69.0	69.1	69.1	69.1
GE 3000	21.9	59.8	62.4	66.1	69.5	69.7	70.2	70.7	70.7	70.9	71.2	71.2	71.5	71.6	71.6	71.6
GE 2500	22.3	61.8	64.5	68.8	72.7	72.9	73.4	73.9	73.9	74.1	74.3	74.3	74.7	74.8	74.8	74.8
GE 2000	22.3	62.6	65.5	70.0	74.1	74.3	74.8	75.3	75.3	75.7	76.0	76.0	76.4	76.6	76.6	76.6
GE 1800	22.3	62.8	65.6	70.1	74.2	74.5	74.9	75.4	75.5	75.9	76.2	76.2	76.6	76.8	76.8	76.8
GE 1500	22.7	64.8	68.4	73.3	77.9	78.1	78.7	79.2	79.3	79.8	80.1	80.1	80.5	80.7	80.7	80.7
GE 1200	22.7	65.0	68.8	73.8	78.7	79.0	79.7	80.6	80.9	81.3	82.0	82.0	82.4	82.6	82.6	82.6
GE 1000	22.8	65.7	69.7	74.7	80.3	80.6	81.9	82.9	83.1	83.7	84.4	84.4	84.8	85.0	85.0	85.1
GE 900	22.8	66.2	70.4	75.5	81.2	81.6	82.9	84.0	84.4	85.0	85.7	85.7	86.1	86.3	86.3	86.4
GE 800	22.9	66.3	70.6	75.7	81.7	82.2	83.6	84.8	85.1	85.8	86.6	86.6	87.1	87.4	87.4	87.5
GE 700	22.9	66.5	70.8	75.9	82.2	82.6	84.3	85.5	85.8	86.8	87.6	87.6	88.1	88.3	88.3	88.4
GE 600	22.9	67.0	71.3	76.5	83.2	83.8	85.8	87.0	87.4	88.8	89.0	89.0	90.4	90.7	90.7	90.8
GE 500	22.8	67.0	71.3	76.5	83.2	83.9	86.3	87.7	88.3	90.0	91.5	91.6	92.3	92.6	92.6	92.7
GE 400	22.8	67.0	71.3	76.5	83.2	83.9	86.8	88.2	88.9	91.0	92.8	93.0	93.7	94.0	94.3	94.4
GE 300	22.8	67.0	71.3	76.5	83.2	83.9	86.8	88.3	89.0	91.5	93.6	93.9	94.7	94.9	95.5	95.6
GE 200	22.8	67.0	71.3	76.5	83.2	83.9	86.8	88.3	89.0	91.5	93.9	94.1	95.3	95.6	96.3	96.8
GE 100	22.8	67.0	71.3	76.5	83.2	83.9	86.8	88.3	89.0	91.5	94.1	94.3	95.5	96.1	97.0	99.4
GE 0	22.8	67.0	71.3	76.5	83.2	83.9	86.8	88.3	89.0	91.5	94.1	94.3	95.5	96.1	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(1ST): ALL

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0		
NO CEIL	12.6	34.5	36.7	38.7	40.1	40.4	40.8	41.2	41.4	41.6	41.7	41.7	41.9	41.9	42.0	42.1		
GE 2000	13.7	38.1	40.4	42.5	44.0	44.4	44.8	45.2	45.4	45.7	45.8	45.8	46.0	46.0	46.1	46.2		
GE 1800	13.7	38.1	40.5	42.5	44.1	44.5	45.0	45.4	45.5	45.8	45.9	46.0	46.1	46.1	46.2	46.3		
GE 1600	13.7	38.1	40.5	42.5	44.1	44.6	45.0	45.4	45.5	45.8	45.9	46.0	46.1	46.1	46.2	46.4		
GE 1400	13.8	38.4	40.7	42.9	44.6	45.0	45.4	45.8	46.0	46.2	46.4	46.4	46.5	46.6	46.6	46.8		
GE 1200	13.9	39.2	41.5	43.8	45.6	46.1	46.5	46.9	47.0	47.3	47.4	47.5	47.6	47.7	47.7	47.9		
GE 1000	14.6	41.9	44.4	46.9	48.7	49.2	49.7	50.1	50.3	50.5	50.7	50.7	50.9	50.9	51.0	51.2		
GE 900	14.8	42.5	45.0	47.5	49.3	49.8	50.3	50.7	50.9	51.1	51.3	51.3	51.5	51.5	51.6	51.8		
GE 800	15.0	44.4	47.1	49.8	51.8	52.3	52.8	53.3	53.4	53.7	53.9	53.9	54.1	54.1	54.2	54.3		
GE 700	15.2	45.0	47.7	50.5	52.5	53.0	53.5	53.9	54.1	54.4	54.6	54.6	54.8	54.8	54.9	55.0		
GE 600	15.4	46.4	49.3	52.1	54.4	55.1	55.5	56.0	56.1	56.4	56.6	56.6	56.8	56.9	56.9	57.1		
GE 500	15.8	48.3	51.4	54.5	57.0	57.7	58.1	58.6	58.8	59.1	59.2	59.3	59.4	59.5	59.6	59.7		
GE 450	15.9	49.3	52.6	55.8	58.6	59.2	59.7	60.2	60.3	60.6	60.8	60.8	61.0	61.0	61.1	61.3		
GE 400	16.1	50.2	53.7	57.1	60.0	60.7	61.2	61.8	62.0	62.3	62.5	62.5	62.7	62.8	62.9	63.0		
GE 350	16.1	51.3	54.9	58.5	61.6	62.3	62.8	63.3	63.5	63.8	64.0	64.1	64.3	64.3	64.4	64.6		
GE 300	16.5	52.9	56.9	60.8	64.1	64.8	65.4	66.1	66.3	66.6	66.9	66.9	67.1	67.1	67.3	67.4		
GE 250	16.9	55.2	59.4	63.5	67.0	67.8	68.4	69.1	69.3	69.6	69.9	69.9	70.1	70.1	70.3	70.4		
GE 200	17.0	56.9	61.3	65.6	69.6	70.4	71.2	71.9	72.2	72.6	72.9	73.1	73.2	73.2	73.3	73.5		
GE 180	17.1	57.3	61.8	66.1	70.2	71.1	71.8	72.6	72.9	73.3	73.6	73.6	73.8	73.9	74.0	74.2		
GE 150	17.3	59.1	63.9	68.8	73.3	74.3	75.3	76.3	76.5	77.1	77.4	77.5	77.7	77.7	77.9	78.1		
GE 120	17.3	59.8	64.7	69.8	74.7	75.8	77.1	78.2	78.5	79.2	79.6	79.6	79.9	79.9	80.1	80.2		
GE 100	17.4	60.5	65.7	70.9	76.5	77.9	79.4	80.8	81.1	81.9	82.6	82.6	82.9	82.9	83.1	83.3		
GE 90	17.4	60.9	66.2	71.5	77.2	78.7	80.4	81.9	82.2	83.1	83.7	83.8	84.0	84.1	84.3	84.5		
GE 80	17.4	61.2	66.5	72.0	78.1	79.7	81.5	83.2	83.6	84.5	85.3	85.4	85.7	85.8	86.0	86.3		
GE 70	17.4	61.3	66.8	72.4	78.8	80.3	82.4	84.2	84.6	85.7	86.6	86.7	87.1	87.2	87.4	87.7		
GE 60	17.4	61.6	67.1	72.9	79.4	81.2	83.3	85.3	85.8	87.0	88.0	88.1	88.6	88.7	88.9	89.2		
GE 50	17.4	61.6	67.2	73.0	79.7	81.7	84.3	86.4	87.0	88.5	89.8	90.0	90.8	90.9	91.2	91.5		
GE 40	17.4	61.6	67.3	73.1	80.1	82.4	85.4	87.7	88.5	90.2	91.7	91.9	92.7	92.9	93.3	93.6		
GE 30	17.4	61.6	67.3	73.1	80.2	82.5	85.5	88.1	88.9	90.8	92.5	92.7	93.7	94.1	94.5	94.9		
GE 20	17.4	61.6	67.3	73.2	80.3	82.6	85.6	88.2	89.1	91.0	92.9	93.2	94.5	95.1	95.8	96.7		
GE 10	17.4	61.6	67.3	73.2	80.3	82.6	85.6	88.3	89.1	91.1	93.1	93.4	94.7	95.4	96.5	98.8		
GE 0	17.4	61.6	67.3	73.2	80.3	82.6	85.6	88.3	89.1	91.1	93.1	93.4	94.7	95.4	96.5	100.0		

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 74-67  
MONTH: MAR HOURS(EST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	21.7	42.6	43.9	44.7	45.4	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	23.9	46.6	48.0	48.9	49.6	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 18000	23.9	46.6	48.0	48.9	49.6	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 16000	23.9	46.6	48.0	48.9	49.6	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 14000	23.9	46.8	48.2	49.1	49.8	50.0	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 12000	23.9	47.0	48.4	49.4	50.0	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 10000	24.3	48.6	50.0	51.0	51.6	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 9000	24.5	49.8	51.2	52.2	52.8	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 8000	25.4	51.6	53.0	54.1	54.7	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 7000	25.7	52.5	53.9	54.9	55.6	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 6000	26.3	54.5	55.9	57.0	57.6	57.8	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 5000	27.0	57.4	59.0	60.3	61.0	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 4500	27.7	59.4	61.1	62.6	63.2	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 4000	28.2	61.4	63.5	65.2	65.8	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 3500	28.5	62.8	65.3	66.9	67.6	67.8	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 3000	29.0	65.7	68.4	70.6	71.7	71.9	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 2500	29.6	67.6	70.4	73.1	74.3	74.5	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 2000	29.8	69.5	72.4	75.4	76.7	76.9	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 1800	29.8	69.5	72.5	75.5	76.8	77.0	77.5	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 1500	30.2	71.9	75.6	79.4	81.1	81.5	82.2	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 1200	30.2	73.2	77.0	81.0	82.8	83.3	84.2	84.4	84.4	84.6	84.8	84.9	84.9	84.9	84.9	84.9
GE 1000	30.2	74.7	79.2	83.5	85.9	86.8	88.0	88.2	88.3	88.6	88.9	89.0	89.0	89.0	89.0	89.0
GE 900	30.2	75.2	79.8	84.2	86.6	87.4	88.7	88.9	89.0	89.4	89.7	89.8	89.8	89.8	89.8	89.8
GE 800	30.2	75.6	80.2	84.7	87.2	88.2	89.6	89.8	90.0	90.3	90.6	90.8	90.8	90.8	90.8	90.8
GE 700	30.2	75.8	80.5	85.2	88.1	89.0	90.4	90.6	91.2	91.6	91.9	92.0	92.0	92.0	92.0	92.0
GE 600	30.2	76.0	81.0	85.6	89.5	90.6	92.0	92.7	93.2	93.7	94.0	94.1	94.1	94.1	94.1	94.1
GE 500	30.2	76.2	81.2	85.9	90.3	91.6	93.1	94.0	94.5	95.1	95.7	95.8	95.9	95.9	95.9	95.9
GE 400	30.2	76.2	81.2	85.9	90.8	92.0	94.1	95.2	95.7	96.2	96.9	97.0	97.1	97.1	97.1	97.2
GE 300	30.2	76.3	81.3	86.0	90.9	92.2	94.2	95.3	95.8	96.6	97.3	97.4	97.5	97.5	97.6	98.0
GE 200	30.2	76.3	81.3	86.0	91.0	92.3	94.3	95.5	96.0	97.0	97.7	97.8	98.5	98.7	98.9	99.5
GE 100	30.2	76.3	81.3	86.0	91.0	92.3	94.3	95.5	96.0	97.0	97.7	97.8	98.5	98.7	99.4	99.9
GE 0	30.2	76.3	81.3	86.0	91.0	92.3	94.3	95.5	96.0	97.0	97.7	97.8	98.5	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	18.6	39.8	42.4	42.9	43.5	43.5	43.9	44.1	44.1	44.1	44.1	44.2	44.2	44.3	44.4	44.4
GE 20000	20.5	44.1	46.7	47.2	47.8	47.8	48.2	48.4	48.4	48.4	48.4	48.5	48.5	48.6	48.7	48.7
GE 18000	20.5	44.1	46.7	47.2	47.8	47.8	48.2	48.4	48.4	48.4	48.4	48.5	48.5	48.6	48.7	48.7
GE 16000	20.5	44.1	46.7	47.2	47.8	47.8	48.2	48.4	48.4	48.4	48.4	48.5	48.5	48.6	48.7	48.7
GE 14000	20.9	44.6	47.3	47.8	48.5	48.5	48.8	49.0	49.0	49.0	49.0	49.1	49.1	49.2	49.4	49.4
GE 12000	21.1	45.4	48.2	48.8	49.5	49.5	49.8	50.0	50.0	50.0	50.0	50.1	50.1	50.2	50.3	50.3
GE 10000	21.2	46.5	49.2	49.9	50.6	50.6	51.0	51.2	51.2	51.2	51.2	51.3	51.3	51.4	51.5	51.5
GE 9000	21.7	47.3	50.1	50.8	51.5	51.5	51.8	52.0	52.0	52.0	52.0	52.1	52.2	52.2	52.3	52.4
GE 8000	22.6	49.0	51.9	52.6	53.4	53.4	53.8	54.0	54.0	54.0	54.0	54.1	54.1	54.2	54.3	54.3
GE 7000	22.7	50.1	53.0	53.7	54.5	54.5	54.8	55.1	55.1	55.1	55.1	55.1	55.2	55.3	55.4	55.4
GE 6000	23.3	52.0	55.3	55.9	56.8	56.8	57.1	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.5	57.6
GE 5000	24.4	56.0	59.8	60.6	61.5	61.5	61.8	62.2	62.2	62.2	62.3	62.4	62.4	62.5	62.6	62.6
GE 4500	24.7	57.0	60.8	61.7	62.6	62.7	63.1	63.4	63.4	63.4	63.5	63.7	63.7	63.8	63.9	64.0
GE 4000	24.9	59.0	63.3	64.4	65.4	65.6	66.0	66.3	66.3	66.3	66.5	66.6	66.6	66.7	66.8	66.9
GE 3500	25.3	59.9	64.5	65.6	66.7	66.9	67.3	67.6	67.6	67.6	67.7	67.8	67.8	68.0	68.1	68.2
GE 3000	25.8	61.7	66.8	68.1	69.5	69.8	70.2	70.5	70.5	70.5	70.6	70.8	70.8	70.9	71.0	71.1
GE 2500	26.3	64.2	69.2	70.6	72.2	72.5	72.9	73.2	73.2	73.2	73.3	73.4	73.4	73.5	73.7	73.8
GE 2000	26.5	66.7	72.0	73.7	75.4	75.7	76.3	76.9	76.9	76.9	77.1	77.2	77.2	77.3	77.4	77.5
GE 1900	26.5	67.2	72.6	74.4	76.1	76.5	77.1	77.6	77.6	77.6	77.8	78.0	78.0	78.1	78.2	78.3
GE 1500	27.1	69.9	75.6	77.6	79.6	79.9	81.0	81.5	81.5	81.8	82.0	82.2	82.2	82.3	82.4	82.5
GE 1200	27.1	71.8	77.8	80.2	82.7	83.1	84.3	84.9	84.9	85.3	85.5	85.7	85.7	85.8	85.9	86.0
GE 1000	27.1	73.0	79.2	82.0	84.6	85.2	86.3	87.4	87.4	87.7	88.1	88.3	88.3	88.4	88.5	88.6
GE 900	27.1	73.2	79.6	82.6	85.4	86.1	87.8	89.0	89.0	89.4	89.7	89.9	89.9	90.0	90.1	90.2
GE 800	27.1	73.5	80.1	83.3	86.3	87.1	88.9	90.3	90.4	90.8	91.1	91.3	91.3	91.4	91.5	91.6
GE 700	27.1	74.0	80.5	83.9	87.2	88.0	89.9	91.3	91.8	92.2	92.5	92.7	92.7	92.8	92.9	93.0
GE 600	27.1	74.2	81.0	84.5	88.3	89.1	91.1	92.5	93.1	93.4	93.8	94.0	94.0	94.1	94.2	94.3
GE 500	27.1	74.6	81.4	85.2	89.1	90.0	92.0	93.8	94.4	94.8	95.3	95.5	95.5	95.6	95.7	95.8
GE 400	27.1	74.6	81.4	85.2	89.8	90.9	93.0	94.8	95.5	95.9	96.3	96.7	96.7	96.9	97.0	97.1
GE 300	27.1	74.6	81.4	85.2	89.9	91.2	93.7	95.5	96.2	96.9	97.4	97.7	97.7	98.2	98.3	98.4
GE 200	27.1	74.6	81.4	85.2	89.9	91.2	93.7	95.5	96.2	97.2	98.0	98.3	98.5	99.0	99.2	99.4
GE 100	27.1	74.6	81.4	85.2	89.9	91.2	93.7	95.5	96.2	97.2	98.0	98.3	98.6	99.1	99.4	99.5
GE 0	27.1	74.6	81.4	85.2	89.9	91.2	93.7	95.5	96.2	97.2	98.0	98.3	98.6	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	12.0	35.4	37.8	39.6	41.3	41.6	41.6	41.8	41.9	42.2	42.3	42.3	42.3	42.3	42.4	42.4
GE 20000	13.5	38.9	41.8	43.8	45.5	45.9	45.9	46.1	46.2	46.6	46.7	46.7	46.7	46.7	46.8	46.8
GE 18000	13.5	39.0	42.0	44.0	45.7	46.1	46.1	46.3	46.5	46.8	46.9	46.9	46.9	46.9	47.0	47.0
GE 16000	13.5	39.0	42.0	44.0	45.7	46.1	46.1	46.3	46.5	46.8	46.9	46.9	46.9	46.9	47.0	47.0
GE 14000	13.7	39.6	42.6	44.6	46.3	46.8	46.8	47.0	47.1	47.4	47.5	47.5	47.5	47.5	47.6	47.6
GE 12000	14.2	43.9	44.0	46.0	47.7	48.3	48.4	48.6	48.7	49.0	49.1	49.1	49.1	49.1	49.2	49.2
GE 10000	14.6	42.7	46.1	48.3	50.1	50.6	50.8	51.1	51.2	51.5	51.6	51.6	51.6	51.6	51.7	51.7
GE 9000	15.2	43.3	46.8	49.1	51.0	51.5	51.6	51.9	52.0	52.4	52.5	52.5	52.5	52.5	52.6	52.6
GE 8000	15.6	44.8	48.6	51.2	53.2	53.8	53.9	54.2	54.3	54.6	54.7	54.7	54.7	54.7	54.8	54.8
GE 7000	15.9	45.4	49.2	51.8	53.9	54.4	54.5	54.8	54.9	55.3	55.4	55.4	55.4	55.4	55.5	55.5
GE 6000	16.8	47.3	51.4	54.0	56.0	56.6	56.7	57.0	57.1	57.4	57.5	57.5	57.5	57.5	57.6	57.6
GE 5000	16.9	50.0	54.7	57.5	59.7	60.2	60.4	60.8	60.9	61.3	61.4	61.4	61.4	61.4	61.5	61.5
GE 4500	17.1	50.9	55.8	58.6	60.9	61.4	61.7	62.0	62.2	62.6	62.7	62.7	62.7	62.7	62.9	62.9
GE 4000	17.2	52.2	57.1	60.1	62.7	63.2	63.7	64.0	64.2	64.6	64.7	64.7	64.7	64.7	64.9	64.9
GE 3500	17.4	53.1	58.1	61.2	63.8	64.3	64.7	65.1	65.3	65.7	65.8	65.8	65.8	65.8	66.0	66.0
GE 3000	17.5	54.2	59.4	62.9	65.8	66.5	66.9	67.2	67.4	67.8	68.0	68.0	68.0	68.0	68.2	68.2
GE 2500	18.0	56.3	61.5	65.5	69.0	69.7	70.1	70.4	70.6	71.2	71.3	71.3	71.3	71.3	71.5	71.5
GE 2000	18.3	59.5	64.8	68.8	72.7	73.7	74.1	74.5	74.7	75.4	75.6	75.6	75.6	75.6	75.8	75.8
GE 1800	18.3	59.7	65.1	69.0	72.9	73.9	74.3	74.7	74.9	75.6	75.8	75.8	75.8	75.8	76.0	76.0
GE 1500	18.4	62.9	68.7	73.2	77.1	78.3	78.8	79.2	79.5	80.2	80.4	80.4	80.4	80.4	80.6	80.6
GE 1200	18.4	63.4	69.6	74.5	78.8	80.1	80.8	81.2	81.4	82.2	82.4	82.4	82.4	82.4	82.6	82.6
GE 1000	18.4	65.1	71.3	76.5	81.0	82.4	83.1	83.7	84.0	84.7	84.9	84.9	84.9	84.9	85.2	85.2
GE 900	18.6	66.3	72.7	78.0	82.6	84.0	84.8	85.7	86.0	86.8	87.0	87.0	87.0	87.0	87.2	87.2
GE 800	18.6	67.0	73.4	78.9	84.3	85.5	86.6	87.5	88.0	88.8	89.1	89.1	89.1	89.1	89.4	89.4
GE 700	18.6	67.3	73.8	79.6	85.8	87.3	88.6	89.9	90.3	91.2	91.6	91.6	91.6	91.6	91.9	91.9
GE 600	18.6	67.3	73.9	79.7	86.3	88.0	89.5	90.8	91.5	92.4	92.9	92.9	92.9	93.0	93.2	93.2
GE 500	18.6	67.6	74.2	80.4	87.2	88.8	90.4	92.3	93.0	93.9	94.5	94.5	94.5	94.5	95.1	95.1
GE 400	18.6	67.6	74.2	80.4	87.3	88.9	90.6	92.5	93.4	94.4	95.2	95.2	95.4	95.5	95.9	95.9
GE 300	18.6	67.6	74.2	80.4	87.5	89.1	91.0	93.0	94.2	95.3	96.1	96.1	96.6	96.9	97.3	97.3
GE 200	18.6	67.6	74.2	80.4	87.5	89.1	91.1	93.1	94.3	95.6	97.5	97.5	98.4	98.8	99.5	99.5
GE 100	18.6	67.6	74.2	80.4	87.5	89.1	91.1	93.1	94.3	95.6	97.6	97.6	98.5	98.9	99.7	99.9
GE 0	18.6	67.6	74.2	80.4	87.5	89.1	91.1	93.1	94.3	95.6	97.6	97.6	98.5	98.9	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 950



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	8.4	33.2	35.6	37.2	38.6	38.8	38.8	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 20000	9.5	37.0	39.9	41.7	43.2	43.4	43.4	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 18000	9.5	37.2	40.1	41.9	43.4	43.7	43.7	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 16000	9.5	37.2	40.1	41.9	43.4	43.7	43.7	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 14000	9.6	38.3	41.3	43.1	44.6	44.8	44.8	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 12000	9.7	39.2	42.4	44.2	45.8	46.2	46.3	46.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 10000	10.5	41.8	45.1	47.1	48.7	49.1	49.2	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 9000	10.5	42.0	45.4	47.5	49.1	49.6	49.7	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 8000	11.4	44.9	48.3	51.1	52.9	53.3	53.5	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 7000	11.4	45.4	48.7	51.5	53.3	53.8	54.0	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 6000	11.8	47.8	51.4	54.2	56.0	56.5	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 5000	12.2	50.8	54.7	57.6	59.5	59.9	60.1	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 4500	12.2	51.0	55.2	58.1	59.9	60.3	60.5	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 4000	12.4	53.0	57.6	61.0	62.9	63.4	63.7	64.0	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 3500	12.5	53.7	58.3	61.7	63.8	64.3	64.5	64.8	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 3000	12.6	56.5	61.2	65.4	67.5	68.2	68.4	68.7	68.8	69.1	69.2	69.2	69.2	69.2	69.2	69.2
GE 2500	12.8	57.6	62.7	66.9	69.1	69.8	70.0	70.3	70.4	70.8	70.9	70.9	70.9	70.9	70.9	70.9
GE 2000	12.8	60.1	65.4	69.7	72.3	72.9	73.1	73.7	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2
GE 1800	12.9	60.4	65.7	70.0	72.6	73.2	73.4	74.0	74.1	74.4	74.5	74.5	74.5	74.5	74.5	74.5
GE 1500	13.0	63.9	69.5	74.1	76.8	77.6	77.8	78.4	78.6	79.1	79.2	79.2	79.2	79.2	79.2	79.2
GE 1200	13.4	66.6	72.6	77.6	80.8	81.9	82.2	82.9	83.1	83.7	83.9	83.9	83.9	83.9	83.9	83.9
GE 1000	13.4	68.2	74.2	79.9	83.8	85.3	85.7	86.5	86.9	87.4	87.6	87.6	87.6	87.6	87.6	87.6
GE 900	13.4	68.5	74.5	80.3	84.3	85.8	86.3	87.1	87.5	88.1	88.3	88.3	88.3	88.3	88.3	88.3
GE 800	13.4	68.7	74.9	80.8	85.6	87.2	87.8	88.7	89.4	89.9	90.1	90.1	90.1	90.1	90.1	90.1
GE 700	13.5	68.8	75.1	81.2	86.5	88.1	88.9	90.2	90.9	91.5	91.8	91.8	91.8	91.8	91.8	91.8
GE 600	13.5	68.8	75.2	81.4	86.9	88.8	89.9	91.6	92.4	93.0	93.7	93.7	93.7	93.7	93.7	93.7
GE 500	13.5	68.9	75.3	81.5	87.2	89.1	90.3	92.2	92.9	93.7	94.3	94.4	94.5	94.5	94.5	94.5
GE 400	13.5	68.9	75.3	81.6	87.7	89.7	91.4	93.3	94.3	95.2	95.8	95.9	96.2	96.2	96.3	96.3
GE 300	13.5	68.9	75.3	81.6	87.7	89.7	91.7	93.7	94.6	95.5	96.9	97.0	97.4	97.4	97.8	98.0
GE 200	13.5	68.9	75.3	81.6	87.8	89.8	91.8	93.8	94.8	95.9	97.6	97.7	98.7	99.5	99.7	99.8
GE 100	13.5	68.9	75.3	81.6	87.8	89.8	91.8	93.8	94.8	95.9	97.6	97.7	98.7	99.5	99.9	100.0
GE 0	13.5	68.9	75.3	81.6	87.8	89.8	91.8	93.8	94.8	95.9	97.6	97.7	98.7	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1	9.0	33.9	35.1	35.8	36.0	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
GE 20000	10.3	40.0	41.4	42.4	42.6	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 18000	10.5	40.4	41.6	42.8	43.0	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 16000	10.5	40.4	41.8	42.8	43.0	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 14000	10.5	41.2	42.7	43.7	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 12000	10.6	42.3	43.8	44.7	44.9	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 10000	11.5	45.2	47.2	48.4	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 9000	11.7	45.8	47.8	49.0	49.2	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 8000	13.2	49.1	51.4	52.6	53.0	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 7200	13.2	49.5	51.9	53.1	53.5	53.5	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 6000	13.2	50.4	52.9	54.1	54.5	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 5000	13.2	52.3	55.3	56.5	57.3	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 4500	13.4	53.0	56.1	57.3	58.0	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 4000	13.8	56.2	59.6	60.9	61.6	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 3500	14.2	58.2	61.5	63.0	63.8	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 3000	14.5	62.5	65.9	67.6	68.6	68.9	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 2500	14.5	64.7	68.2	69.9	70.9	71.3	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 2000	14.5	68.2	71.9	74.2	75.3	75.8	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 1800	14.8	69.0	73.0	75.5	76.9	77.4	78.2	78.2	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 1500	14.8	71.0	75.3	77.8	79.6	80.1	80.9	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 1200	15.6	74.9	79.6	82.4	84.6	85.5	86.5	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1000	15.7	76.6	81.3	84.3	86.7	87.6	88.7	89.0	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 900	15.7	77.0	81.9	85.1	87.4	88.4	89.5	89.9	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 800	15.8	77.6	82.9	86.0	88.7	89.3	91.4	91.9	92.2	92.5	92.6	92.6	92.6	92.7	92.7	92.7	92.7
GE 700	15.8	77.7	83.4	86.8	90.2	91.9	93.0	93.7	94.0	94.3	94.4	94.4	94.5	94.6	94.6	94.6	94.6
GE 600	15.8	77.8	83.7	87.4	91.0	92.8	94.3	94.9	95.5	96.1	96.3	96.3	96.6	96.7	96.7	96.7	96.7
GE 500	15.8	78.0	83.8	87.5	91.3	93.3	94.9	95.7	96.3	97.2	97.4	97.4	97.6	97.7	97.7	97.7	97.7
GE 400	15.8	78.0	83.8	87.5	91.4	93.5	95.7	96.6	97.3	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8
GE 300	15.8	78.0	83.8	87.5	91.4	93.5	95.7	96.7	97.5	98.5	98.9	99.1	99.4	99.7	99.8	99.8	99.8
GE 200	15.8	78.0	83.8	87.5	91.4	93.5	95.7	96.7	97.5	98.5	98.9	99.1	99.5	99.9	100.0	100.0	100.0
GE 100	15.8	78.0	83.8	87.5	91.4	93.5	95.7	96.7	97.5	98.5	98.9	99.1	99.5	99.9	100.0	100.0	100.0
GE 0	15.8	78.0	83.8	87.5	91.4	93.5	95.7	96.7	97.5	98.5	98.9	99.1	99.5	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	11.3	34.8	35.1	35.8	35.9	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
GE 20000	13.0	40.9	41.2	41.9	42.0	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 18000	13.1	41.0	41.3	42.0	42.2	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 16000	13.1	41.0	41.4	42.3	42.4	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 14000	13.1	41.8	42.3	43.1	43.2	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 12000	13.4	43.7	44.1	44.9	45.1	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 10000	14.0	47.2	47.8	48.7	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 9000	14.0	47.7	48.4	49.2	49.4	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 8000	15.2	49.1	50.3	51.4	51.5	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 7000	15.3	49.7	50.9	51.9	52.0	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 6000	15.4	50.5	51.7	52.9	53.1	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 5000	15.6	52.7	54.4	55.9	56.1	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 4500	15.6	53.4	55.4	56.9	57.2	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 4000	16.2	57.5	59.5	61.1	61.8	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 3500	16.8	60.0	62.3	64.2	64.9	65.4	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 3000	17.4	63.9	66.3	68.3	69.1	69.7	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 2500	17.7	67.6	70.2	72.3	73.3	73.9	74.5	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9
GE 2000	18.4	73.0	75.6	77.7	78.9	79.5	80.1	80.3	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6
GE 1800	18.4	73.5	76.3	78.6	79.8	80.3	81.0	81.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5
GE 1500	18.7	76.1	79.4	82.2	83.9	84.4	85.2	85.6	85.6	85.8	86.0	86.0	86.0	86.0	86.0	86.0
GE 1200	19.7	76.9	80.6	83.8	86.3	87.0	88.2	88.9	88.9	89.1	89.4	89.4	89.4	89.4	89.4	89.4
GE 1000	19.7	77.1	81.4	84.7	87.8	88.5	90.1	90.9	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4
GE 900	18.7	77.5	82.3	85.7	88.8	89.5	91.1	91.9	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5
GE 800	18.7	77.6	82.6	86.2	90.1	91.0	92.7	93.7	93.8	94.3	94.5	94.5	94.5	94.5	94.5	94.5
GE 700	18.7	77.7	82.9	86.7	91.0	92.0	93.9	94.8	94.9	95.6	95.9	95.9	95.9	95.9	95.9	95.9
GE 600	18.7	77.7	83.1	87.0	91.7	93.0	95.3	96.5	96.7	97.3	97.7	97.7	97.8	97.8	97.8	97.8
GE 500	18.7	77.7	83.2	87.1	92.0	93.3	95.6	97.1	97.4	98.3	98.8	98.8	98.9	98.9	98.9	98.9
GE 400	18.7	77.7	83.2	87.1	92.3	93.7	95.9	97.4	97.8	98.7	99.2	99.2	99.4	99.4	99.4	99.4
GE 300	18.7	77.7	83.2	87.1	92.3	93.7	95.9	97.4	97.8	98.7	99.4	99.5	99.7	99.7	99.7	99.7
GE 200	18.7	77.7	83.2	87.1	92.3	93.7	95.9	97.4	97.8	98.7	99.4	99.5	99.9	99.9	99.9	99.9
GE 100	18.7	77.7	83.2	87.1	92.3	93.7	95.9	97.4	97.8	98.7	99.4	99.5	99.9	100.0	100.0	100.0
GE 0	18.7	77.7	83.2	87.1	92.3	93.7	95.9	97.4	97.8	98.7	99.4	99.5	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(EST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES														
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	12.9	37.8	38.6	39.1	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 20000	14.5	42.9	44.0	44.3	44.8	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 18000	14.5	42.9	44.0	44.3	44.8	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 16000	14.5	42.9	44.0	44.3	44.8	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 14000	14.5	42.9	44.0	44.3	44.8	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 12000	14.9	44.2	45.3	45.6	46.1	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 10000	15.4	46.5	47.5	47.8	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 9000	15.5	47.2	48.3	48.6	49.1	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 8000	16.1	49.9	51.1	51.6	52.4	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 7000	16.2	50.8	52.0	52.6	53.3	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 6000	16.2	52.4	53.9	54.4	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 5000	16.8	55.5	57.2	57.7	58.8	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 4500	16.8	56.2	58.2	58.8	60.3	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 4000	16.9	59.7	61.9	62.7	64.5	64.8	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 3500	17.4	61.5	63.8	64.6	66.5	66.8	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 3000	18.1	64.6	67.5	68.5	70.3	70.6	71.4	71.5	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 2500	18.8	68.7	71.9	73.1	75.4	75.7	76.5	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 2000	18.8	70.9	74.6	75.9	78.8	79.5	80.3	80.4	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1800	18.8	71.4	75.2	76.7	79.9	80.6	81.5	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 1500	18.9	73.2	77.6	79.9	83.7	84.4	85.5	85.6	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1200	18.9	74.0	78.5	81.3	86.1	87.2	88.3	88.5	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1000	18.9	74.6	79.1	82.5	87.6	88.7	90.2	90.6	90.9	91.3	91.4	91.4	91.6	91.8	91.8	91.8
GE 900	18.9	74.8	79.4	82.9	88.4	89.5	91.0	91.4	91.6	92.0	92.2	92.2	92.4	92.6	92.6	92.6
GE 800	18.9	74.9	79.8	83.5	89.6	90.9	92.5	93.0	93.2	93.9	94.2	94.2	94.4	94.6	94.6	94.6
GE 700	18.9	75.1	79.9	83.7	89.8	91.1	92.9	93.5	93.8	94.4	94.7	94.9	95.2	95.4	95.4	95.4
GE 600	18.9	75.1	79.9	83.8	90.0	91.3	93.3	94.1	94.3	95.2	95.6	95.8	96.0	96.2	96.2	96.2
GE 500	18.9	75.1	79.9	83.8	90.4	91.6	93.9	94.9	95.4	96.3	96.9	97.1	97.3	97.5	97.5	97.5
GE 400	18.9	75.1	79.9	83.8	90.4	91.8	94.1	95.4	95.8	97.1	97.6	97.8	98.1	98.3	98.3	98.3
GE 300	18.9	75.1	79.9	83.8	90.4	91.8	94.1	95.4	95.8	97.2	98.1	98.5	98.8	99.0	99.0	99.0
GE 200	18.9	75.1	79.9	83.8	90.4	91.8	94.1	95.4	95.8	97.2	98.3	98.7	99.6	99.8	99.9	99.9
GE 100	18.9	75.1	79.9	83.8	90.4	91.8	94.1	95.4	95.8	97.2	98.3	98.7	99.6	99.8	100.0	100.0
GE 0	18.9	75.1	79.9	83.8	90.4	91.8	94.1	95.4	95.8	97.2	98.3	98.7	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	22.0	42.6	44.0	44.5	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 20000	23.4	45.4	46.9	47.4	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 18000	23.4	45.4	46.9	47.4	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 16000	23.4	45.4	46.9	47.4	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 14000	23.5	45.6	47.1	47.6	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 12000	23.7	45.9	47.4	48.0	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 10000	24.0	47.4	48.9	49.5	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 9000	24.2	48.1	49.6	50.1	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 8000	25.3	51.1	52.6	53.1	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 7000	25.5	52.0	53.5	54.1	54.8	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 6000	26.0	53.9	55.4	56.0	56.8	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 5000	26.7	57.4	58.9	59.7	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 4500	27.0	59.2	61.3	62.0	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 4000	27.5	61.8	64.3	65.1	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 3500	28.3	63.4	65.9	66.7	68.0	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 3000	28.7	65.7	68.4	69.2	70.6	71.1	71.2	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 2500	29.6	68.5	71.4	73.1	74.6	75.2	75.3	75.5	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 2000	29.6	70.6	73.9	75.7	77.3	77.8	78.0	78.2	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7
GE 1800	29.6	71.1	74.5	76.3	78.0	78.5	78.6	78.8	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4
GE 1500	30.1	73.3	77.3	79.8	81.8	82.5	82.8	83.0	83.2	83.5	83.7	83.7	83.7	83.7	83.7	83.7
GE 1200	30.1	74.6	78.8	81.9	84.5	85.3	85.6	85.8	86.1	86.5	86.6	86.6	86.6	86.6	86.6	86.6
GE 1000	30.1	75.6	80.0	84.3	87.3	88.1	88.6	89.1	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0
GE 900	30.1	75.8	80.2	84.5	87.7	88.7	89.2	89.8	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6
GE 800	30.1	75.9	80.4	84.9	88.2	89.1	89.8	90.3	90.8	91.2	91.3	91.3	91.4	91.4	91.4	91.4
GE 700	30.1	76.2	80.8	85.7	89.1	90.1	91.1	91.8	92.3	92.7	92.8	92.8	92.9	92.9	92.9	92.9
GE 600	30.1	76.3	80.9	86.0	90.0	91.2	92.2	93.0	93.4	93.9	94.3	94.3	94.5	94.5	94.5	94.5
GE 500	30.1	76.3	81.0	86.1	90.5	92.2	93.2	94.2	94.7	95.3	95.8	95.8	96.0	96.0	96.0	96.0
GE 400	30.1	76.3	81.0	86.1	90.5	92.2	93.7	95.2	95.7	96.6	97.1	97.2	97.4	97.4	97.4	97.4
GE 300	30.1	76.5	81.1	86.2	90.6	92.3	93.9	95.7	96.3	97.2	97.8	98.1	98.4	98.6	98.8	98.8
GE 200	30.1	76.5	81.1	86.2	90.6	92.3	93.9	95.7	96.3	97.2	98.2	98.4	98.9	98.9	99.2	99.5
GE 100	30.1	76.5	81.1	86.2	90.6	92.3	93.9	95.7	96.3	97.2	98.2	98.4	98.9	98.9	99.6	99.8
GE 0	30.1	76.5	81.1	86.2	90.6	92.3	93.9	95.7	96.3	97.2	98.2	98.4	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	14.5	37.5	39.1	40.0	40.7	40.8	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.2	41.2	41.2
GE 20000	16.1	42.0	43.7	44.7	45.5	45.6	45.8	45.8	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
GE 18000	16.1	42.1	43.8	44.8	45.6	45.8	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 16000	16.1	42.1	43.9	44.9	45.6	45.8	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.2	46.2
GE 14000	16.2	42.6	44.4	45.4	46.2	46.4	46.5	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 12000	16.4	43.6	45.4	46.5	47.2	47.4	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 10000	16.9	45.7	47.7	48.8	49.6	49.9	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.3	50.3
GE 9000	17.2	46.4	48.4	49.6	50.4	50.6	50.8	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0
GE 8000	18.1	48.7	50.9	52.2	53.1	53.3	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 7000	18.2	49.4	51.7	53.0	53.9	54.1	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.6	54.6
GE 6000	18.6	51.1	53.5	54.8	55.8	56.0	56.2	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 5000	19.1	54.0	56.8	58.2	59.3	59.5	59.7	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0
GE 4500	19.3	55.0	58.0	59.5	60.7	60.9	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.5	61.5	61.5
GE 4000	19.6	57.6	60.9	62.5	63.9	64.2	64.5	64.7	64.7	64.8	64.8	64.8	64.8	64.9	64.9	64.9
GE 3500	20.0	59.1	62.4	64.2	65.6	66.0	66.3	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7
GE 3000	20.5	61.8	65.5	67.6	69.2	69.6	70.0	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.6	70.6
GE 2500	20.9	64.4	68.2	70.6	72.4	72.8	73.3	73.5	73.6	73.8	73.8	73.8	73.8	73.9	73.9	73.9
GE 2000	21.1	67.3	71.3	73.9	75.9	76.5	77.0	77.3	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.8
GE 1800	21.1	67.7	71.9	74.5	76.6	77.2	77.7	78.0	78.1	78.3	78.4	78.4	78.4	78.4	78.5	78.5
GE 1500	21.4	70.3	74.9	78.0	80.4	81.1	81.8	82.1	82.2	82.5	82.6	82.6	82.6	82.6	82.7	82.7
GE 1200	21.6	71.9	76.8	80.3	83.3	84.2	85.0	85.4	85.5	85.9	86.0	86.1	86.1	86.1	86.1	86.2
GE 1000	21.6	73.1	78.2	82.2	85.6	86.6	87.6	88.2	88.4	88.6	89.0	89.0	89.0	89.1	89.1	89.1
GE 900	21.6	73.5	78.8	82.9	86.4	87.4	88.6	89.2	89.4	89.8	90.0	90.1	90.1	90.1	90.2	90.2
GE 800	21.6	73.9	79.3	83.6	87.5	88.7	89.9	90.7	91.0	91.5	91.7	91.7	91.8	91.8	91.9	91.9
GE 700	21.6	74.1	79.6	84.1	88.5	89.7	91.1	92.0	92.4	92.9	93.2	93.3	93.3	93.4	93.4	93.5
GE 600	21.6	74.2	79.8	84.4	89.2	90.6	92.2	93.3	93.8	94.4	94.8	94.9	94.9	95.0	95.1	95.1
GE 500	21.6	74.3	80.0	84.7	89.8	91.3	92.9	94.3	94.8	95.6	96.1	96.2	96.3	96.4	96.4	96.4
GE 400	21.6	74.3	80.0	84.7	90.0	91.6	93.6	95.0	95.7	96.5	97.1	97.2	97.4	97.4	97.5	97.6
GE 300	21.6	74.3	80.0	84.7	90.1	91.7	93.8	95.3	96.0	97.0	97.7	97.9	98.2	98.4	98.5	98.6
GE 200	21.6	74.3	80.0	84.7	90.1	91.7	93.8	95.4	96.1	97.2	98.2	98.4	99.0	99.3	99.5	99.7
GE 100	21.6	74.3	80.0	84.7	90.1	91.7	93.8	95.4	96.1	97.2	98.2	98.4	99.0	99.4	99.7	99.9
GE 0	21.6	74.3	80.0	84.7	90.1	91.7	93.8	95.4	96.1	97.2	98.2	98.4	99.0	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.1	50.0	51.7	52.1	52.3	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 20000	34.1	54.1	55.9	56.3	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 18000	34.1	54.1	55.9	56.3	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 16000	34.2	54.2	56.0	56.4	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 14000	34.7	55.0	56.8	57.2	57.4	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 12000	35.3	56.1	57.9	58.3	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 10000	36.8	59.6	61.4	61.9	62.1	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 9000	37.3	60.9	62.8	63.2	63.4	63.4	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 8000	38.8	63.7	65.7	66.2	66.4	66.4	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 7000	39.4	65.2	67.3	67.9	68.3	68.3	68.4	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 6000	40.1	67.0	69.2	69.9	70.3	70.3	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 5000	41.3	69.7	72.0	72.9	73.6	73.6	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.0	74.0
GE 4500	41.6	71.3	73.8	74.8	75.6	75.6	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.0
GE 4000	41.6	73.9	76.4	77.6	78.4	78.6	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.0	79.0
GE 3500	42.9	77.0	79.7	80.8	81.7	81.8	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.2
GE 3000	44.1	79.3	82.3	83.9	85.1	85.6	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	86.0	86.0
GE 2500	44.3	80.2	83.3	85.0	86.2	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.2
GE 2000	44.6	81.2	84.6	86.8	88.0	88.4	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.1	89.1
GE 1800	44.8	81.4	84.8	87.1	88.3	88.8	89.0	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.4	89.4
GE 1500	44.9	82.4	86.2	88.6	89.8	90.2	90.4	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.9	90.9
GE 1200	44.9	83.3	87.1	89.6	90.8	91.2	91.4	91.7	91.7	91.9	91.9	91.9	91.9	91.9	92.0	92.0
GE 1000	44.9	83.6	87.6	90.2	91.7	92.1	92.7	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.4	93.4
GE 900	44.9	83.7	87.9	90.6	92.1	92.6	93.1	93.3	93.3	93.8	94.0	94.0	94.0	94.0	94.1	94.2
GE 800	44.9	83.9	88.2	91.0	92.7	93.1	94.0	94.3	94.3	94.8	95.1	95.1	95.1	95.2	95.3	95.3
GE 700	44.9	83.9	88.7	91.4	93.2	93.7	94.8	95.1	95.1	95.6	95.9	95.9	95.9	96.0	96.1	96.1
GE 600	44.9	84.1	88.9	91.9	93.8	94.2	95.4	95.8	95.8	96.2	96.6	96.6	96.6	96.7	96.8	96.8
GE 500	44.9	84.1	88.9	91.9	93.8	94.2	95.4	95.9	95.9	96.3	96.7	96.7	96.7	96.8	96.9	96.9
GE 400	44.9	84.1	88.9	91.9	93.8	94.4	96.1	96.6	96.6	97.0	97.4	97.4	97.4	97.6	97.7	97.7
GE 300	44.9	84.2	89.0	92.0	93.9	94.6	96.4	96.9	96.9	97.6	98.0	98.0	98.1	98.2	98.3	98.3
GE 200	44.9	84.2	89.0	92.0	93.9	94.6	96.4	96.9	97.0	97.8	98.3	98.4	98.9	99.2	99.3	99.3
GE 100	44.9	84.2	89.0	92.0	93.9	94.6	96.4	96.9	97.0	97.8	98.3	98.4	98.9	99.2	99.4	99.4
GE 0	44.9	84.2	89.0	92.0	93.9	94.6	96.4	96.9	97.0	97.8	98.3	98.4	98.9	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4
NO CEIL	29.0	48.0	49.0	50.3	51.3	51.4	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.4
GE 20000	30.4	51.2	52.2	53.6	54.6	54.7	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.7
GE 18000	30.6	51.3	52.3	53.7	54.7	54.8	55.3	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.8
GE 16000	30.7	51.4	52.4	53.8	54.8	54.9	55.4	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.9
GE 14000	31.1	52.0	53.0	54.3	55.3	55.4	56.0	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.4
GE 12000	32.1	53.1	54.2	55.6	56.6	56.7	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.7
GE 10000	33.2	57.2	58.7	60.1	61.1	61.2	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.2
GE 9000	34.0	58.3	59.8	61.2	62.2	62.3	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.3
GE 8000	35.4	60.7	62.2	63.8	64.8	64.9	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.9
GE 7000	35.9	62.0	63.8	65.3	66.3	66.4	67.1	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.8
GE 6000	37.0	63.9	65.9	67.4	68.4	68.6	69.2	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.9
GE 5000	37.7	66.3	68.7	70.4	71.4	71.7	72.3	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	73.1
GE 4500	37.8	68.2	70.6	72.7	73.7	73.9	74.6	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.3
GE 4000	38.0	70.2	72.8	75.0	76.0	76.2	76.9	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.7
GE 3500	38.6	71.9	74.4	76.7	77.7	78.0	78.7	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.6
GE 3000	39.3	74.0	76.7	79.1	80.2	80.6	81.3	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	82.2
GE 2500	39.3	75.2	78.0	80.9	82.0	82.3	83.2	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	84.1
GE 2000	39.6	76.7	79.4	82.3	83.6	83.9	84.8	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.7
GE 1800	39.6	76.7	79.4	82.3	83.6	83.9	84.8	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.7
GE 1500	39.8	78.4	81.2	84.3	85.7	86.1	87.0	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.9
GE 1200	39.9	79.4	82.3	85.6	87.0	87.4	88.3	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	89.2
GE 1000	39.9	80.1	83.0	86.7	88.6	89.0	90.2	90.6	90.6	90.8	90.9	90.9	91.0	91.0	91.0	91.4
GE 900	39.9	80.2	83.2	86.9	89.0	89.6	90.8	91.1	91.1	91.3	91.6	91.6	91.7	91.7	91.7	92.1
GE 800	39.9	80.2	83.2	87.0	89.3	90.2	91.6	91.9	91.9	92.1	92.3	92.3	92.4	92.4	92.4	92.9
GE 700	39.9	80.3	83.3	87.4	90.4	91.4	92.8	93.1	93.1	93.3	93.6	93.6	93.7	93.7	93.7	94.1
GE 600	39.9	80.3	83.3	87.4	90.7	91.7	93.3	93.8	93.8	94.2	94.4	94.4	94.6	94.6	94.6	95.0
GE 500	39.9	80.4	83.4	87.9	91.1	92.2	94.0	94.8	94.9	95.6	95.8	95.8	95.9	95.9	95.9	96.3
GE 400	39.9	80.4	83.4	87.9	91.1	92.4	94.3	95.1	95.4	96.1	96.3	96.3	96.4	96.4	96.4	96.9
GE 300	39.9	80.4	83.4	87.9	91.4	92.8	94.7	95.8	96.3	97.1	97.4	97.4	97.6	97.6	97.6	98.0
GE 200	39.9	80.4	83.4	87.9	91.4	92.8	94.7	95.8	96.3	97.1	97.4	97.7	97.8	97.9	97.9	98.3
GE 100	39.9	80.4	83.4	87.9	91.4	92.8	94.7	95.8	96.3	97.1	97.4	97.7	97.9	98.1	98.2	99.2
GE 0	39.9	80.4	83.4	87.9	91.4	92.8	94.7	95.8	96.3	97.1	97.4	97.7	97.9	98.1	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.2	38.9	40.0	41.4	43.8	44.2	45.0	45.4	45.7	45.8	45.9	45.9	45.9	46.0	46.1	46.3
GE 20000	16.8	43.6	45.1	47.0	49.4	49.9	50.7	51.1	51.3	51.4	51.6	51.6	51.6	51.7	51.8	52.0
GE 18000	16.8	43.6	45.1	47.0	49.4	49.9	50.7	51.1	51.3	51.4	51.6	51.6	51.6	51.7	51.8	52.0
GE 16000	16.8	43.6	45.1	47.0	49.4	49.9	50.7	51.1	51.3	51.4	51.6	51.6	51.6	51.7	51.8	52.0
GE 14000	16.9	43.8	45.4	47.3	49.8	50.2	51.0	51.4	51.7	51.8	51.9	51.9	51.9	52.0	52.1	52.3
GE 12000	17.1	44.4	46.3	48.2	50.7	51.1	52.0	52.4	52.7	52.8	52.9	52.9	52.9	53.0	53.1	53.3
GE 10000	18.1	48.3	50.4	52.7	55.1	55.6	56.4	56.9	57.1	57.2	57.3	57.3	57.3	57.4	57.6	57.8
GE 9000	18.7	49.8	52.2	54.2	56.7	57.1	58.0	58.4	58.7	58.8	58.9	58.9	58.9	59.0	59.1	59.3
GE 8000	19.6	51.4	53.9	55.9	58.4	58.9	59.9	60.3	60.6	60.7	60.8	60.8	60.8	60.9	61.1	61.3
GE 7000	19.7	52.0	54.4	56.6	59.1	59.6	60.6	61.0	61.2	61.3	61.4	61.4	61.4	61.6	61.8	62.0
GE 6000	20.2	54.3	57.0	59.2	62.0	62.4	63.4	63.9	64.1	64.2	64.3	64.3	64.3	64.4	64.7	64.9
GE 5000	21.4	58.3	61.7	64.1	67.2	67.8	68.9	69.4	69.7	69.8	70.0	70.0	70.0	70.1	70.3	70.6
GE 4500	21.8	59.3	62.9	65.3	68.4	69.1	70.3	71.0	71.2	71.3	71.6	71.6	71.6	71.7	71.9	72.1
GE 4000	22.0	61.6	65.1	67.6	71.0	71.8	73.0	73.7	73.9	74.2	74.6	74.6	74.6	74.7	74.9	75.1
GE 3500	22.6	63.4	67.7	70.3	73.8	74.6	75.8	76.4	76.7	77.0	77.3	77.3	77.3	77.4	77.7	77.9
GE 3000	22.6	64.3	68.6	71.2	74.9	75.9	77.3	78.0	78.2	78.7	79.0	79.0	79.0	79.1	79.3	79.6
GE 2500	22.7	65.7	70.3	73.0	76.7	77.9	79.3	80.3	80.6	81.0	81.3	81.3	81.3	81.4	81.7	81.9
GE 2000	23.0	67.1	72.0	74.8	78.4	79.7	81.2	82.3	82.6	83.0	83.3	83.3	83.3	83.4	83.7	83.9
GE 1800	23.0	67.2	72.2	75.0	78.7	79.9	81.4	82.6	82.8	83.2	83.6	83.6	83.6	83.7	83.9	84.1
GE 1500	23.0	69.8	74.9	77.8	81.8	83.0	84.7	85.6	86.0	86.4	86.8	86.8	86.8	86.9	87.1	87.3
GE 1200	23.1	70.9	76.1	79.1	83.2	84.4	86.1	87.2	87.4	87.9	88.2	88.2	88.2	88.3	88.6	88.8
GE 1000	23.2	72.0	77.6	80.9	85.4	86.7	88.3	89.4	89.7	90.1	90.4	90.4	90.4	90.6	90.8	91.0
GE 900	23.2	72.1	77.7	81.1	85.7	86.9	88.6	89.7	89.9	90.3	90.7	90.7	90.7	90.8	91.0	91.2
GE 800	23.2	72.6	78.3	82.1	87.0	88.4	90.1	91.2	91.4	91.9	92.2	92.2	92.2	92.3	92.6	92.8
GE 700	23.2	73.0	78.6	82.6	87.7	89.2	90.9	92.0	92.2	92.7	93.0	93.0	93.0	93.1	93.3	93.6
GE 600	23.2	73.0	78.6	82.7	88.0	89.6	91.6	92.7	92.9	93.4	93.8	93.8	93.8	93.9	94.1	94.3
GE 500	23.2	73.0	78.6	82.7	88.4	90.2	92.0	93.2	93.4	94.0	94.3	94.3	94.3	94.4	94.7	94.9
GE 400	23.2	73.0	78.6	82.7	88.8	90.6	92.4	93.9	94.4	95.2	95.8	95.8	95.8	95.9	96.1	96.3
GE 300	23.2	73.0	78.7	82.8	89.2	91.0	93.1	94.7	95.3	96.4	97.0	97.0	97.0	97.2	97.4	97.7
GE 200	23.2	73.0	78.7	82.8	89.2	91.0	93.1	94.8	95.6	96.7	97.2	97.2	97.2	97.4	97.8	98.0
GE 100	23.2	73.0	78.7	82.8	89.2	91.0	93.1	94.8	95.6	96.7	97.3	97.3	97.8	98.0	98.4	98.9
GE 0	23.2	73.0	78.7	82.8	89.2	91.0	93.1	94.8	95.6	96.7	97.3	97.3	97.8	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	17.3	43.7	44.7	45.3	45.7	46.0	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 20000	18.7	48.4	49.7	50.3	50.7	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 18000	18.7	48.7	49.9	50.6	50.9	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 16000	18.7	48.7	49.9	50.6	50.9	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 14000	18.7	49.1	50.4	51.1	51.4	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 12000	19.1	50.3	51.8	52.4	52.8	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 10000	20.0	54.2	56.3	57.0	57.3	57.7	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 9000	20.2	54.9	57.0	58.0	58.3	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 8000	21.1	57.7	59.9	60.9	61.3	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 7000	21.8	58.9	61.2	62.3	62.8	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 6000	22.3	60.4	62.9	64.3	64.9	65.2	65.3	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 5000	23.1	63.0	66.0	67.7	68.3	68.7	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 4500	23.2	63.3	66.4	68.1	68.9	69.2	69.3	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 4000	23.6	66.2	69.4	71.3	72.2	72.6	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 3500	24.2	67.8	71.0	72.9	73.9	74.2	74.3	74.3	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3000	25.0	70.0	73.3	75.8	77.0	77.4	77.7	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 2500	25.2	71.4	74.8	77.3	79.7	79.1	79.4	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2000	25.8	74.7	78.2	81.1	82.4	83.1	83.4	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 1800	25.9	75.0	78.6	81.4	82.8	83.4	83.8	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 1500	26.0	77.6	81.2	84.4	85.9	86.8	87.1	87.1	87.3	87.4	87.4	87.4	87.7	87.7	87.7	87.7
GE 1200	26.1	78.7	82.4	85.8	87.4	88.4	88.8	88.8	89.0	89.1	89.1	89.1	89.3	89.3	89.3	89.3
GE 1000	26.3	79.4	83.6	87.1	89.2	90.2	90.8	90.8	91.0	91.1	91.2	91.2	91.4	91.4	91.4	91.4
GE 900	26.3	79.8	84.0	87.8	90.0	91.0	91.7	91.7	91.9	92.0	92.1	92.1	92.3	92.3	92.3	92.3
GE 800	26.3	79.9	84.4	88.8	91.1	92.3	93.0	93.1	93.3	93.4	93.6	93.6	93.8	93.8	93.8	93.8
GE 700	26.3	79.9	84.4	89.6	92.3	93.6	94.3	94.4	94.7	94.8	94.9	94.9	95.1	95.1	95.1	95.1
GE 600	26.3	80.6	85.6	90.7	94.0	95.2	96.0	96.1	96.3	96.4	96.6	96.6	96.8	96.8	96.8	96.8
GE 500	26.3	80.7	85.8	90.9	94.6	95.9	96.8	97.0	97.3	97.4	97.6	97.6	97.9	97.9	97.9	97.9
GE 400	26.3	80.8	85.9	91.0	94.7	96.0	97.0	97.6	98.0	98.2	98.4	98.4	98.8	98.8	98.8	98.8
GE 300	26.3	80.8	85.9	91.0	94.7	96.0	97.1	97.7	98.1	98.6	98.8	98.8	99.2	99.4	99.4	99.4
GE 200	26.3	80.8	85.9	91.0	94.7	96.0	97.1	97.7	98.1	98.7	99.0	99.1	99.6	99.9	99.9	99.9
GE 100	26.3	80.8	85.9	91.0	94.7	96.0	97.1	97.7	98.1	98.7	99.0	99.1	99.7	100.0	100.0	100.0
GE 0	26.3	80.8	85.9	91.0	94.7	96.0	97.1	97.7	98.1	98.7	99.0	99.1	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	16.0	38.2	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 20000	19.6	46.2	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 18000	19.6	46.6	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 16000	19.6	46.6	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 14000	19.8	47.3	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 12000	20.3	48.6	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 10000	20.7	50.8	51.4	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 9000	20.7	51.2	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 8000	22.1	55.0	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 7000	22.6	56.0	56.9	57.3	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 6000	22.7	56.7	57.7	58.3	58.4	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 5000	23.4	59.7	60.9	61.6	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 4500	23.7	60.6	61.8	62.4	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 4000	25.4	65.0	67.1	68.2	69.0	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 3500	26.2	66.9	69.0	70.2	71.2	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 3000	27.3	70.8	73.1	74.6	75.8	76.1	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 2500	28.1	74.7	77.2	79.0	80.4	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 2000	28.3	78.9	81.7	83.6	85.7	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1800	28.3	79.3	82.1	84.0	86.1	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1500	28.6	82.1	85.4	87.7	90.0	90.6	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1200	28.9	83.2	86.9	89.1	91.8	92.3	92.6	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1000	29.0	83.6	87.4	90.1	92.8	93.3	93.6	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 900	29.1	84.1	88.1	91.2	94.2	94.8	95.2	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 800	29.1	84.3	88.4	91.7	94.9	95.4	95.9	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 700	29.1	84.7	88.9	92.2	96.0	96.6	97.0	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	29.1	85.2	89.4	92.8	96.6	97.2	97.9	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	29.1	85.3	89.6	93.0	96.9	97.6	98.2	98.7	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 400	29.1	85.3	89.6	93.0	96.9	97.6	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6
GE 300	29.1	85.3	89.6	93.0	96.9	97.6	98.3	98.9	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 200	29.1	85.3	89.6	93.0	96.9	97.6	98.3	98.9	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9
GE 100	29.1	85.3	89.6	93.0	96.9	97.6	98.3	98.9	99.2	99.7	99.7	99.7	99.7	99.9	100.0	100.0
GE 0	29.1	85.3	89.6	93.0	96.9	97.6	98.3	98.9	99.2	99.7	99.7	99.7	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	16.2	36.0	36.2	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 20000	20.6	44.1	44.3	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 18000	20.9	44.4	44.7	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 16000	20.9	44.4	44.7	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 14000	21.3	45.6	45.8	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 12000	22.2	47.2	47.4	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 10000	23.2	50.1	50.4	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 9000	23.6	50.4	50.8	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 8000	25.1	54.7	55.1	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 7000	25.4	55.7	56.1	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 6000	25.8	57.0	57.4	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 5000	26.1	59.7	60.2	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 4500	26.7	61.6	62.1	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4000	28.6	66.0	67.0	68.0	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 3500	29.2	68.6	69.7	70.9	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 3000	30.8	75.2	76.9	78.7	79.8	80.1	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 2500	31.6	78.0	80.1	82.3	83.6	84.0	84.0	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 2000	32.1	80.9	83.2	85.6	86.9	87.4	87.4	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1800	32.2	81.4	83.9	86.3	87.7	88.3	88.3	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1500	32.3	83.1	85.8	88.7	90.1	90.9	90.9	91.1	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1200	32.6	84.1	87.1	90.4	91.9	92.7	92.7	92.9	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1000	32.9	84.9	87.9	91.9	93.6	94.3	94.4	94.7	94.8	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 900	32.9	85.0	88.0	92.1	93.9	94.7	94.8	95.0	95.1	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 800	32.9	85.4	88.4	92.7	94.7	95.6	96.0	96.3	96.4	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
GE 700	32.9	85.4	88.7	92.9	95.1	96.1	96.6	96.9	97.0	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	32.9	85.7	88.9	93.1	95.4	96.6	97.2	97.7	97.8	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	32.9	85.7	88.9	93.1	95.6	96.7	97.4	97.9	98.0	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	32.9	85.7	88.9	93.1	95.6	96.7	97.4	97.9	98.0	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2
GE 300	32.9	85.7	88.9	93.1	95.9	97.0	97.8	98.2	98.3	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6
GE 200	32.9	85.7	88.9	93.3	96.2	97.3	98.1	98.6	98.7	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 100	32.9	85.7	88.9	93.3	96.2	97.3	98.1	98.6	98.7	99.3	99.7	99.8	99.9	99.9	99.9	99.9	100.0
GE 0	32.9	85.7	88.9	93.3	96.2	97.3	98.1	98.6	98.7	99.3	99.7	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1800-2000

CEILING IN FEET	GL 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	19.2	40.8	41.0	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 20000	22.4	48.8	49.1	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	23.0	49.4	49.8	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 16000	23.0	49.4	49.8	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 14000	23.1	50.0	50.3	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 12000	23.6	51.3	51.8	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 10000	24.9	54.7	55.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 9000	25.1	55.1	55.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 8000	26.1	58.4	59.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 7000	26.4	59.9	60.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 6000	27.2	61.6	62.3	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 5000	28.4	65.3	66.2	67.2	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 4500	29.3	67.3	68.2	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4000	30.4	71.1	72.2	73.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3500	31.7	74.9	76.0	77.3	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 3000	32.4	77.9	79.1	80.4	82.3	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	32.9	79.9	81.6	83.3	85.1	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2000	33.3	81.1	83.0	84.9	87.0	87.9	88.0	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 1800	33.3	81.7	83.6	85.4	87.7	88.6	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1500	33.6	82.4	85.0	87.9	90.2	91.1	91.3	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1200	33.6	83.0	85.8	89.0	91.8	92.8	93.0	93.3	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1000	33.8	84.1	87.1	90.7	93.7	94.7	94.9	95.2	95.6	95.9	96.1	96.2	96.2	96.3	96.4	96.4
GE 900	33.8	84.1	87.1	90.8	93.9	94.9	95.2	95.6	95.9	96.1	96.2	96.2	96.3	96.4	96.4	96.4
GE 800	33.8	84.1	87.1	90.8	94.0	95.2	95.8	96.2	96.6	96.8	96.9	96.9	97.0	97.1	97.1	97.1
GE 700	33.8	84.1	87.1	90.8	94.0	95.2	95.8	96.2	96.6	96.8	96.9	96.9	97.0	97.1	97.1	97.1
GE 600	33.8	84.3	87.4	91.2	94.7	96.1	96.8	97.2	97.6	97.8	98.0	98.0	98.2	98.3	98.3	96.3
GE 500	33.8	84.3	87.4	91.3	94.8	96.3	97.3	97.9	98.3	98.6	98.8	98.8	99.0	99.1	99.1	99.1
GE 400	33.8	84.3	87.4	91.7	95.1	96.7	97.7	98.2	98.7	99.1	99.3	99.3	99.6	99.7	99.7	99.7
GE 300	33.8	84.3	87.4	91.7	95.1	96.7	97.7	98.2	98.8	99.4	99.7	99.7	99.9	100.0	100.0	100.0
GE 200	33.8	84.3	87.4	91.7	95.1	96.7	97.7	98.2	98.8	99.4	99.7	99.7	99.9	100.0	100.0	100.0
GE 100	33.8	84.3	87.4	91.7	95.1	96.7	97.7	98.2	98.8	99.4	99.7	99.7	99.9	100.0	100.0	100.0
GE 0	33.8	84.3	87.4	91.7	95.1	96.7	97.7	98.2	98.8	99.4	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LAFAYETTE  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.9	50.9	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 20000	33.7	55.6	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 18000	34.0	55.9	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 16000	34.2	55.9	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 14000	34.1	56.2	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 12000	34.4	57.3	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 10000	36.2	61.0	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 9000	36.2	61.7	62.2	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 8000	37.3	65.1	66.1	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 7000	37.9	66.4	67.6	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 6000	38.2	68.2	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 5000	39.6	71.9	73.4	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 4500	40.4	73.9	75.4	76.1	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 4000	41.0	76.3	78.0	78.7	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 3500	41.7	78.8	80.4	81.1	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 3000	42.1	81.1	83.2	84.2	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 2500	42.2	82.2	84.6	85.6	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 2000	42.4	82.7	85.2	86.2	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1800	42.6	83.1	85.8	87.0	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 1500	43.0	85.2	88.6	90.4	91.3	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1200	43.0	86.0	89.9	91.8	92.9	93.2	93.3	93.3	93.3	93.4	93.7	93.7	93.7	93.7	93.7	93.7
GE 1000	43.0	86.4	90.6	92.8	94.0	94.3	94.4	94.4	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8
GE 900	43.0	86.4	90.7	93.1	94.6	95.0	95.4	95.4	95.4	95.6	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	43.0	86.6	90.9	93.3	94.9	95.7	96.1	96.1	96.1	96.2	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	43.0	86.6	90.9	93.3	94.9	95.9	96.4	96.6	96.6	96.7	97.1	97.1	97.1	97.2	97.2	97.2
GE 600	43.0	86.9	91.3	93.8	95.3	96.3	97.0	97.1	97.1	97.2	97.8	97.8	97.8	97.9	97.9	97.9
GE 500	43.0	87.0	91.4	93.9	95.8	96.8	97.4	97.6	97.6	97.7	98.2	98.2	98.2	98.3	98.3	98.3
GE 400	43.0	87.0	91.4	93.9	95.8	96.8	97.7	97.8	97.8	97.9	98.8	98.8	98.8	98.9	98.9	98.9
GE 300	43.0	87.0	91.4	93.9	95.8	96.8	97.7	97.9	97.9	98.0	98.9	98.9	98.9	99.2	99.3	99.3
GE 200	43.0	87.0	91.4	93.9	95.8	96.8	97.7	97.9	97.9	98.1	99.1	99.1	99.8	100.0	100.0	100.0
GE 100	43.0	87.0	91.4	93.9	95.8	96.8	97.7	97.9	97.9	98.1	99.1	99.1	99.8	100.0	100.0	100.0
GE 0	43.0	87.0	91.4	93.9	95.8	96.8	97.7	97.9	97.9	98.1	99.1	99.1	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): ALL

CEILING IN FEET	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17	GE 18	GE 19	GE 20
NO CEIL	22.0	43.3	44.1	44.6	45.2	45.3	45.5	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	24.5	49.0	49.9	50.6	51.2	51.3	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 18000	24.7	49.3	50.1	50.8	51.4	51.5	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 16000	24.7	49.3	50.2	50.9	51.4	51.6	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 14000	25.0	49.9	50.8	51.5	52.1	52.2	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 12000	25.5	51.1	52.1	52.8	53.3	53.5	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 10000	26.6	54.5	55.7	56.5	57.1	57.2	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 9000	27.0	55.3	56.5	57.4	58.0	58.1	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 8000	28.2	58.3	59.7	60.6	61.3	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	28.6	59.5	61.0	61.9	62.6	62.7	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 6000	29.2	61.1	62.8	63.8	64.5	64.7	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 5000	30.1	64.2	66.1	67.3	68.3	68.5	68.7	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 4500	30.6	65.7	67.7	69.0	70.0	70.2	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 4000	31.3	68.8	71.0	72.5	73.6	73.8	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 3500	32.1	71.2	73.5	75.0	76.2	76.6	76.9	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 3000	33.0	74.1	76.7	78.5	80.0	80.5	80.9	81.0	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 2500	33.3	75.9	78.7	80.8	82.4	82.9	83.3	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2000	33.6	77.9	80.9	83.2	84.9	85.5	85.9	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 1800	33.7	78.2	81.3	83.6	85.3	86.0	86.4	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1500	33.9	80.1	83.5	86.2	88.1	88.8	89.3	89.5	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1200	34.0	81.1	84.7	87.5	89.6	90.3	90.8	91.1	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1000	34.1	81.8	85.6	88.8	91.1	91.8	92.4	92.7	92.8	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 900	34.1	81.9	85.8	89.2	91.7	92.4	93.1	93.4	93.5	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 800	34.1	82.2	86.1	89.7	92.3	93.3	94.1	94.4	94.6	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 700	34.1	82.2	86.3	90.0	93.0	94.0	94.8	95.2	95.3	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 600	34.1	82.5	86.7	90.4	93.6	94.6	95.7	96.1	96.2	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 500	34.1	82.6	86.8	90.6	93.9	95.0	96.1	96.6	96.8	97.2	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 400	34.1	82.6	86.8	90.6	94.0	95.1	96.4	97.0	97.3	97.7	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 300	34.1	82.6	86.8	90.7	94.1	95.3	96.6	97.3	97.6	98.2	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	34.1	82.6	86.8	90.7	94.2	95.3	96.6	97.3	97.7	98.3	98.8	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 100	34.1	82.6	86.8	90.7	94.2	95.3	96.6	97.3	97.7	98.3	98.8	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 0	34.1	82.6	86.8	90.7	94.2	95.3	96.6	97.3	97.7	98.3	98.8	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.3	55.1	55.8	56.8	58.1	58.3	58.8	58.8	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.0
GE 20000	37.4	58.5	59.6	60.8	62.3	62.5	63.0	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.2
GE 18000	37.4	58.5	59.7	60.9	62.4	62.6	63.1	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3
GE 16000	37.7	58.8	60.0	61.2	62.7	62.9	63.4	63.4	63.4	63.5	63.5	63.5	63.7	63.7	63.7	63.7
GE 14000	38.1	59.2	60.4	61.6	63.1	63.3	63.9	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.1
GE 12000	38.5	60.3	61.5	62.7	64.2	64.4	64.9	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.2
GE 10000	40.3	65.1	66.2	67.5	69.0	69.2	69.8	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0
GE 9000	40.6	65.9	67.2	68.7	70.2	70.4	71.0	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.2
GE 8000	41.8	69.0	70.6	72.4	74.1	74.3	74.8	74.8	74.8	74.9	74.9	74.9	75.1	75.1	75.1	75.1
GE 7000	42.0	69.9	71.7	73.4	75.2	75.4	75.9	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1
GE 6000	42.4	71.5	73.4	75.3	77.0	77.2	77.7	77.7	77.7	77.8	77.8	77.8	78.0	78.0	78.0	78.0
GE 5000	43.3	74.3	76.9	78.7	80.4	80.6	81.2	81.2	81.2	81.4	81.4	81.4	81.5	81.5	81.5	81.5
GE 4500	43.4	75.1	78.2	80.0	81.8	82.0	82.6	82.6	82.6	82.8	82.8	82.8	82.9	82.9	82.9	82.9
GE 4000	44.2	77.0	80.2	82.0	84.0	84.2	84.7	84.7	84.7	84.9	84.9	84.9	85.1	85.1	85.1	85.1
GE 3500	44.5	77.7	81.0	82.8	84.7	84.9	85.5	85.5	85.5	85.7	85.7	85.7	85.8	85.8	85.8	85.8
GE 3000	44.8	78.6	82.0	84.0	86.5	86.7	87.2	87.2	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.5
GE 2500	45.2	79.8	83.3	85.3	88.0	88.2	88.8	88.8	88.8	89.0	89.0	89.0	89.1	89.1	89.1	89.1
GE 2200	45.4	80.4	84.1	86.1	88.8	89.1	89.8	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1
GE 1800	45.4	80.4	84.1	86.1	88.8	89.1	89.8	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1
GE 1500	45.5	81.3	85.2	87.6	90.3	90.6	91.5	91.5	91.5	91.7	91.7	91.7	91.8	91.8	91.8	91.8
GE 1200	45.7	82.6	86.6	89.1	91.8	92.2	93.0	93.0	93.0	93.2	93.2	93.2	93.3	93.3	93.3	93.3
GE 1000	45.7	82.9	87.0	90.0	92.8	93.1	94.3	94.3	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.7
GE 900	45.7	82.9	87.0	90.1	93.1	93.4	94.7	94.7	94.8	95.1	95.1	95.1	95.2	95.2	95.2	95.2
GE 800	45.7	83.0	87.2	90.3	93.9	94.2	95.5	95.5	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9
GE 700	45.7	83.3	87.5	90.6	94.4	94.8	96.1	96.1	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.6
GE 600	45.7	83.5	87.7	91.1	94.7	95.3	96.7	96.7	96.8	96.9	97.1	97.2	97.3	97.3	97.3	97.3
GE 500	45.7	84.0	88.5	91.8	95.7	96.2	98.0	98.1	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6
GE 400	45.7	84.0	88.6	91.9	95.8	96.3	98.1	98.2	98.3	98.7	98.9	98.9	99.0	99.0	99.0	99.0
GE 300	45.7	84.0	88.6	91.9	95.8	96.3	98.1	98.3	98.4	98.3	99.0	99.0	99.1	99.1	99.1	99.1
GE 200	45.7	84.0	88.6	91.9	95.8	96.3	98.2	98.4	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.7
GE 100	45.7	84.0	88.6	91.9	95.8	96.3	98.2	98.4	98.6	99.1	99.4	99.4	99.7	99.7	99.7	100.0
GE 0	45.7	94.0	88.6	91.9	95.8	96.3	98.2	98.4	98.6	99.1	99.4	99.4	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.1	48.7	50.9	52.6	54.7	54.9	55.9	56.6	56.8	56.9	57.0	57.0	57.3	57.3	57.4	57.4
GE 20000	29.6	52.6	54.9	56.9	59.0	59.4	60.3	61.0	61.2	61.3	61.4	61.4	61.8	61.8	61.9	61.9
GE 18000	29.6	52.6	54.9	56.9	59.0	59.4	60.3	61.0	61.2	61.3	61.4	61.4	61.8	61.8	61.9	61.9
GE 16000	29.7	52.7	55.1	57.0	59.1	59.5	60.4	61.1	61.3	61.4	61.5	61.5	61.9	61.9	62.0	62.0
GE 14000	29.9	53.3	55.7	57.6	59.8	60.1	61.1	61.7	61.9	62.0	62.2	62.2	62.6	62.6	62.7	62.7
GE 12000	30.2	54.0	56.3	58.3	60.4	60.8	61.7	62.4	62.6	62.7	62.8	62.8	63.2	63.2	63.3	63.3
GE 10000	32.5	58.0	60.6	62.7	64.8	65.2	66.1	66.8	67.0	67.1	67.2	67.2	67.6	67.6	67.7	67.7
GE 9000	32.6	58.2	61.1	63.1	65.6	65.9	66.9	67.5	67.7	67.8	68.0	68.0	68.4	68.4	68.5	68.5
GE 8000	33.5	60.9	63.9	65.9	68.7	69.1	70.2	70.9	71.1	71.2	71.3	71.3	71.7	71.7	71.8	71.8
GE 7000	33.8	61.9	65.1	67.1	69.9	70.3	71.4	72.0	72.3	72.4	72.5	72.5	72.9	72.9	73.0	73.0
GE 6000	34.6	63.8	67.0	69.0	71.9	72.4	73.4	74.1	74.3	74.4	74.5	74.5	74.9	74.9	75.1	75.1
GE 5000	35.7	67.0	70.5	73.1	76.2	76.7	77.8	78.5	78.7	78.8	78.9	78.9	79.4	79.4	79.5	79.5
GE 4500	36.0	67.5	71.2	73.9	77.0	77.4	78.7	79.4	79.6	79.7	79.8	79.8	80.2	80.2	80.3	80.3
GE 4000	37.1	69.6	73.2	75.9	79.0	79.6	81.1	81.7	81.9	82.0	82.2	82.2	82.6	82.6	82.7	82.7
GE 3500	37.2	70.1	73.8	76.5	79.8	80.3	81.8	82.5	82.7	82.8	82.9	82.9	83.3	83.3	83.4	83.4
GE 3000	37.6	71.0	74.9	77.7	81.3	81.8	83.3	84.0	84.2	84.3	84.4	84.4	84.8	84.8	84.9	84.9
GE 2500	37.7	71.6	75.8	78.7	82.4	83.1	84.9	85.6	85.8	86.0	86.1	86.1	86.6	86.6	86.7	86.7
GE 2000	37.8	73.1	77.5	80.4	84.2	84.9	86.8	87.4	87.6	87.8	88.0	88.0	88.4	88.4	88.5	88.5
GE 1800	38.0	73.5	78.0	81.0	84.7	85.5	87.3	88.0	88.2	88.4	88.5	88.5	88.9	88.9	89.0	89.0
GE 1500	38.4	74.6	79.2	82.4	86.2	87.0	88.9	89.6	89.8	90.0	90.1	90.1	90.5	90.5	90.6	90.6
GE 1200	38.4	75.4	80.1	83.4	87.4	88.2	90.1	90.8	91.0	91.2	91.3	91.3	91.7	91.7	91.8	91.8
GE 1000	38.4	75.6	80.6	84.0	88.1	88.9	90.9	91.5	91.7	91.9	92.0	92.0	92.5	92.5	92.6	92.6
GE 900	38.4	75.9	81.2	84.5	88.6	89.5	91.4	92.0	92.3	92.5	92.6	92.6	93.0	93.0	93.1	93.1
GE 800	38.4	76.1	81.5	85.2	89.4	90.2	92.2	92.8	93.0	93.2	93.3	93.3	93.8	93.8	93.9	93.9
GE 700	38.4	76.6	82.2	85.8	90.1	91.0	93.0	93.7	93.9	94.1	94.2	94.2	94.6	94.6	94.7	94.7
GE 600	38.4	77.2	82.8	86.5	90.8	91.6	94.0	94.6	94.8	95.1	95.2	95.2	95.6	95.6	95.7	95.7
GE 500	38.4	77.4	83.3	87.0	91.6	92.5	94.9	95.6	95.8	96.0	96.1	96.1	96.6	96.6	96.7	96.7
GE 400	38.4	77.4	83.3	87.0	91.6	92.5	95.5	96.1	96.3	96.8	97.0	97.0	97.4	97.4	97.5	97.5
GE 300	38.4	77.4	83.3	87.1	91.9	92.8	95.8	96.9	97.1	97.7	98.0	98.0	98.7	98.7	98.8	98.8
GE 200	38.4	77.4	83.3	87.1	91.9	92.8	95.8	96.9	97.1	97.7	98.3	98.3	99.0	99.0	99.1	99.5
GE 100	38.4	77.4	83.4	87.2	92.2	93.0	96.0	97.1	97.5	98.2	98.8	98.8	99.6	99.6	99.7	100.0
GE 0	38.4	77.4	83.4	87.2	92.2	93.0	96.0	97.1	97.5	98.2	98.8	98.8	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.5	38.9	41.6	43.5	45.6	46.6	47.7	48.5	48.8	48.9	49.1	49.1	49.2	49.2	49.4	49.4
GE 20000	17.4	44.3	47.4	49.7	52.2	53.1	54.4	55.2	55.6	55.7	55.9	55.9	56.0	56.0	56.1	56.1
GE 18000	17.4	44.4	47.6	49.9	52.4	53.3	54.6	55.4	55.8	55.9	56.1	56.1	56.2	56.2	56.3	56.3
GE 16000	17.4	44.4	47.6	49.9	52.4	53.3	54.6	55.4	55.8	55.9	56.1	56.1	56.2	56.2	56.3	56.3
GE 14000	17.5	44.9	48.2	50.8	53.3	54.3	55.7	56.5	56.9	57.0	57.2	57.2	57.3	57.3	57.4	57.4
GE 12000	18.0	46.0	49.5	52.2	54.7	55.8	57.2	58.0	58.4	58.5	58.7	58.7	58.8	58.8	58.9	58.9
GE 10000	18.9	49.8	53.5	56.7	59.5	60.5	61.9	62.7	63.1	63.2	63.4	63.4	63.5	63.5	63.7	63.7
GE 9000	19.4	50.8	54.6	58.1	61.2	62.3	63.7	64.4	64.8	64.9	65.2	65.2	65.3	65.3	65.4	65.4
GE 8000	20.8	53.5	57.8	61.3	64.6	65.9	67.4	68.3	68.7	68.8	69.1	69.1	69.2	69.4	69.5	69.5
GE 7000	20.9	54.5	58.8	62.4	65.7	67.0	68.5	69.4	69.8	70.0	70.3	70.3	70.4	70.5	70.6	70.6
GE 6000	21.9	57.2	61.6	65.5	69.1	70.5	72.0	73.0	73.4	73.7	74.0	74.0	74.1	74.2	74.3	74.3
GE 5000	22.4	59.8	64.5	68.6	72.6	74.2	75.7	76.9	77.3	77.5	77.8	77.8	78.0	78.1	78.2	78.2
GE 4500	22.4	60.2	65.1	69.1	73.2	74.8	76.5	77.6	78.1	78.3	78.6	78.6	78.7	78.8	78.9	78.9
GE 4000	22.5	60.9	66.0	70.1	74.3	75.9	77.5	78.7	79.1	79.4	79.7	79.7	79.8	79.9	80.0	80.0
GE 3500	22.6	61.4	66.7	70.9	75.1	76.7	78.4	79.6	80.0	80.2	80.5	80.5	80.6	80.8	80.9	80.9
GE 3000	22.9	63.3	68.7	73.3	77.6	79.2	81.0	82.2	82.6	82.8	83.1	83.1	83.2	83.3	83.4	83.4
GE 2500	22.9	64.1	69.5	74.1	78.6	80.2	81.9	83.2	83.7	83.9	84.2	84.2	84.3	84.4	84.5	84.5
GE 2000	23.7	65.8	71.3	75.9	80.4	82.0	83.8	85.1	85.5	85.7	86.0	86.0	86.1	86.2	86.3	86.3
GE 1800	23.7	66.0	71.5	76.2	80.8	82.4	84.1	85.4	85.8	86.0	86.3	86.3	86.5	86.6	86.7	86.7
GE 1500	23.9	68.2	73.7	78.4	83.2	85.2	87.0	88.4	88.8	89.2	89.6	89.6	89.7	89.8	89.9	89.9
GE 1200	23.9	68.3	73.8	78.5	83.5	85.7	88.2	89.6	90.0	90.4	90.9	90.9	91.0	91.1	91.2	91.2
GE 1000	23.9	69.0	74.6	79.4	84.4	86.6	89.1	90.6	91.1	91.5	92.0	92.0	92.2	92.3	92.4	92.4
GE 900	23.9	69.1	74.7	79.5	84.6	86.9	89.5	91.0	91.4	91.8	92.4	92.4	92.5	92.6	92.7	92.7
GE 800	23.9	69.4	74.9	80.0	85.5	87.7	90.3	91.9	92.4	92.8	93.3	93.3	93.4	93.5	93.7	93.7
GE 700	23.9	69.4	75.1	80.2	85.8	88.1	90.6	92.5	93.0	93.4	94.0	94.0	94.1	94.2	94.3	94.3
GE 600	23.9	69.4	75.1	80.2	86.0	88.4	91.1	92.9	93.4	93.9	94.4	94.4	94.5	94.6	94.7	94.7
GE 500	23.9	69.5	75.5	80.6	86.7	89.8	92.6	94.6	95.2	95.8	96.3	96.3	96.6	96.7	96.9	96.9
GE 400	23.9	69.6	75.7	80.9	87.1	90.2	93.0	95.4	95.9	96.7	97.3	97.3	97.5	97.6	97.8	97.8
GE 300	23.9	69.6	75.7	80.9	87.1	90.2	93.2	95.9	96.5	97.2	97.8	98.0	98.2	98.3	98.5	98.5
GE 200	23.9	69.6	75.7	80.9	87.1	90.2	93.4	96.1	96.7	97.4	98.3	98.4	98.9	99.0	99.2	99.7
GE 100	23.9	69.6	75.7	80.9	87.1	90.2	93.4	96.1	96.7	97.4	98.3	98.5	99.0	99.4	99.6	100.0
GE 0	23.9	69.6	75.7	80.9	87.1	90.2	93.4	96.1	96.7	97.4	98.3	98.5	99.0	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	18.7	47.4	48.5	50.1	51.1	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 20000	20.6	53.4	54.7	56.3	57.3	57.6	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 18000	20.8	53.8	55.1	56.7	57.6	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 16000	20.8	53.8	55.1	56.7	57.6	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 14000	20.9	53.9	55.3	57.3	58.3	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 12000	21.3	55.1	56.6	58.6	59.6	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 10000	22.8	58.1	59.8	62.2	63.3	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 9000	23.4	59.6	61.3	63.8	64.9	65.3	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 8000	24.3	62.0	64.0	66.6	68.0	68.3	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 7000	24.3	62.7	64.6	67.4	68.9	69.1	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 6000	24.5	63.8	65.7	68.6	70.1	70.4	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 5000	24.8	66.5	69.2	72.5	74.5	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4500	24.8	67.2	70.1	73.5	75.7	76.2	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4000	25.3	68.7	71.6	75.1	77.3	77.8	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 3500	25.4	70.4	73.3	77.1	79.4	79.9	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 3000	26.0	72.6	75.7	79.7	82.4	82.9	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 2500	26.2	73.7	77.0	81.1	83.8	84.4	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 2000	26.3	74.9	78.5	82.8	85.6	86.2	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1800	26.3	75.7	79.5	83.8	86.7	87.3	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	26.3	76.9	80.9	85.3	88.4	89.0	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1200	26.3	77.5	82.2	86.8	90.1	90.8	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1000	26.3	78.2	82.8	87.6	91.2	91.9	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 900	26.3	78.2	82.8	87.7	91.6	92.4	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 800	26.3	78.7	83.4	88.8	93.3	94.3	94.8	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 700	26.3	78.9	84.0	89.6	94.5	95.6	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 600	26.3	79.0	84.1	89.8	95.1	96.1	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 500	26.3	79.1	84.4	90.1	95.5	96.8	97.6	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	26.3	79.2	84.7	90.4	95.9	97.2	98.3	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	26.3	79.2	84.7	90.5	96.1	97.4	98.5	98.9	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	26.3	79.2	84.7	90.5	96.1	97.4	98.6	99.0	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	26.3	79.2	84.7	90.5	96.1	97.4	98.6	99.0	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	26.3	79.2	84.7	90.5	96.1	97.4	98.6	99.0	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	20.0	44.8	46.2	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	
GE 20000	23.5	51.3	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	
GE 18000	24.1	51.9	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	
GE 16000	24.1	51.9	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	
GE 14000	24.6	52.6	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	
GE 12000	25.1	54.0	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	
GE 10000	26.8	57.4	59.0	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
GE 9000	27.5	58.5	60.1	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
GE 8000	28.3	61.1	62.9	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	
GE 7000	28.4	61.7	63.9	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	
GE 6000	28.7	63.1	65.4	66.2	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	
GE 5000	29.5	65.3	68.1	69.2	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	
GE 4500	29.5	65.7	68.6	69.9	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	
GE 4000	30.1	68.8	72.3	73.8	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	
GE 3500	30.6	71.6	75.2	76.7	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	
GE 3000	31.2	76.7	80.6	82.6	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
GE 2500	31.6	78.6	82.8	84.9	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	
GE 2000	31.6	80.4	84.6	86.8	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	
GE 1800	31.6	80.8	85.1	87.2	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	
GE 1500	31.6	82.0	86.6	89.1	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	
GE 1200	31.7	82.5	87.1	90.1	92.7	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	
GE 1000	31.7	83.2	88.2	91.2	94.1	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	
GE 900	31.7	83.7	88.7	91.7	94.7	95.5	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 800	31.7	83.7	88.7	91.8	95.1	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
GE 700	31.7	84.1	89.4	92.6	96.2	97.1	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 600	31.7	84.3	89.8	93.2	97.2	98.2	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 500	31.7	84.3	89.9	93.4	97.5	98.5	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 400	31.7	84.3	90.0	93.5	97.6	98.6	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 300	31.7	84.3	90.0	93.5	97.6	98.6	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 200	31.7	84.3	90.0	93.5	97.6	98.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 100	31.7	84.3	90.0	93.5	97.6	98.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	
GE 0	31.7	84.3	90.0	93.5	97.6	98.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	18.7	43.2	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 20000	23.1	51.7	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 18000	23.1	51.7	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 16000	23.1	51.9	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 14000	23.4	52.4	54.1	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 12000	24.0	53.9	55.6	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 10000	25.7	58.6	60.4	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 9000	26.3	60.0	61.9	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 8000	26.3	62.3	64.4	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 7000	26.6	63.4	65.8	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 6000	27.2	64.7	67.1	67.8	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 5000	28.4	69.4	71.7	72.5	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 4500	29.2	70.6	73.1	73.9	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 4000	31.0	77.1	79.7	80.6	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3500	31.3	79.9	82.5	83.4	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3000	32.3	83.5	86.9	88.0	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2500	32.5	84.5	88.2	89.2	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2000	32.7	86.0	89.9	91.4	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1800	32.7	86.6	90.4	91.9	92.3	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1500	32.8	87.3	91.4	93.3	93.7	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1200	33.0	87.8	92.6	94.6	94.9	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1000	33.0	88.4	93.2	95.5	95.8	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	33.0	88.6	93.7	95.9	96.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	33.0	88.7	93.8	96.0	96.3	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	33.0	88.8	94.2	96.6	96.9	98.0	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	33.0	89.2	94.8	97.2	97.8	98.9	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	33.0	89.2	94.8	97.4	98.1	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	33.0	89.2	94.8	97.4	98.3	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	33.0	89.2	94.8	97.4	98.3	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	33.0	89.2	94.8	97.4	98.3	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	33.0	89.2	94.8	97.4	98.3	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	33.0	89.2	94.8	97.4	98.3	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	1	21.2	48.2	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	
GE 20000	24.5	57.4	58.8	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
GE 18000	24.5	57.4	58.8	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
GE 16000	24.5	57.4	58.8	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
GE 14000	24.6	58.0	59.5	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	
GE 12000	25.1	59.7	61.2	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
GE 10000	27.0	64.9	66.7	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
GE 9000	27.2	66.6	68.3	69.1	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
GE 8000	28.0	69.9	71.7	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	
GE 7000	28.3	70.9	72.7	73.5	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	
GE 6000	28.8	72.5	74.3	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	
GE 5000	29.4	75.9	78.2	79.1	79.6	79.6	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	
GE 4500	29.9	76.9	79.4	80.4	81.0	81.0	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	
GE 4000	31.0	79.9	82.8	84.1	84.7	84.7	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	
GE 3500	31.1	81.1	84.1	85.5	86.1	86.1	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
GE 3000	31.6	83.5	86.7	88.1	88.8	88.8	89.4	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
GE 2500	31.6	83.9	87.6	89.1	89.9	89.9	90.4	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	
GE 2000	31.6	85.1	89.0	90.8	91.6	91.6	92.2	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	
GE 1800	31.6	85.2	89.5	91.2	92.2	92.2	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	
GE 1500	31.7	86.3	91.3	93.0	94.2	94.2	94.7	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	
GE 1200	31.9	86.7	92.3	94.0	95.3	95.3	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
GE 1000	32.2	87.0	92.9	94.8	96.2	96.3	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
GE 900	32.2	87.0	92.9	94.8	96.2	96.3	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
GE 800	32.2	87.0	92.9	94.8	96.2	96.3	96.9	97.1	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	
GE 700	32.2	87.2	93.1	95.2	96.8	97.0	97.6	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
GE 600	32.2	87.3	93.4	95.5	97.1	97.3	98.1	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 500	32.2	87.4	93.7	95.7	97.3	97.6	98.4	98.7	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	
GE 400	32.2	87.4	93.8	96.0	97.7	98.1	98.8	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	
GE 300	32.2	87.4	93.8	96.0	98.1	98.4	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	32.2	87.4	93.8	96.0	98.1	98.4	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	32.2	87.4	93.8	96.0	98.1	98.4	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	32.2	87.4	93.8	96.0	98.1	98.4	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.4	53.3	54.0	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 20000	36.0	57.8	58.5	59.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 18000	36.0	57.8	58.5	59.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 16000	36.0	57.8	58.5	59.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 14000	36.0	58.2	58.9	60.3	60.8	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 12000	36.2	59.0	59.8	61.2	61.6	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 10000	38.5	64.9	65.7	67.2	67.6	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 9000	39.0	66.1	66.9	68.4	68.8	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 8000	40.8	69.8	70.8	72.5	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 7000	41.2	70.8	71.9	73.7	74.1	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 6000	41.8	71.9	73.4	75.3	75.7	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 5000	42.8	75.4	77.1	79.1	79.9	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 4500	43.0	76.5	78.5	80.5	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4000	43.2	78.2	80.3	82.7	83.7	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 3500	43.7	79.1	81.5	84.0	84.9	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3000	44.0	81.0	83.3	85.9	87.3	87.7	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500	44.1	81.4	83.8	86.5	88.2	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 2000	44.3	83.4	86.0	89.2	91.3	91.7	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	44.3	83.5	86.2	89.5	91.5	91.9	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1500	44.3	84.5	87.5	90.9	93.1	93.7	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	44.6	85.2	88.7	92.2	94.5	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1000	44.6	85.3	88.9	92.4	95.2	95.7	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 900	44.6	85.3	88.9	92.4	95.2	95.7	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 800	44.6	85.6	89.5	93.0	96.0	96.8	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 700	44.6	85.8	89.5	93.1	96.1	96.9	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	44.6	85.8	89.6	93.2	96.2	97.0	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	44.6	86.2	90.5	94.2	97.4	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	44.6	86.2	90.5	94.2	97.4	98.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	44.6	86.3	90.6	94.3	97.5	98.3	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	44.6	86.3	90.6	94.3	97.5	98.3	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	44.6	86.3	90.6	94.3	97.5	98.3	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	44.6	86.3	90.6	94.3	97.5	98.3	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	24.0	47.5	48.9	50.1	50.9	51.2	51.5	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9
GE 20000	26.5	53.4	55.0	56.3	57.2	57.5	57.8	58.0	58.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3
GE 18000	26.6	53.5	55.2	56.4	57.4	57.6	58.0	58.2	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.5
GE 16000	26.7	53.6	55.2	56.5	57.4	57.7	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.5	58.5	58.5
GE 14000	26.9	54.1	55.8	57.1	58.1	58.4	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2
GE 12000	27.3	55.2	57.0	58.4	59.3	59.6	60.0	60.2	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.5
GE 10000	29.1	59.6	61.5	63.0	64.1	64.3	64.7	64.9	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2
GE 9000	29.5	60.7	62.7	64.3	65.4	65.7	66.1	66.3	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6
GE 8000	30.5	63.6	65.8	67.5	68.7	69.1	69.5	69.7	69.8	69.8	69.8	69.9	69.9	70.0	70.0	70.0
GE 7000	30.7	64.5	66.8	68.6	69.9	70.1	70.6	70.8	70.9	70.9	71.0	71.0	71.1	71.1	71.1	71.1
GE 6000	31.3	66.1	68.5	70.4	71.7	72.1	72.5	72.7	72.9	72.9	72.9	72.9	73.0	73.0	73.1	73.1
GE 5000	32.0	69.2	72.0	74.1	75.7	76.2	76.6	76.9	76.9	77.0	77.1	77.1	77.1	77.2	77.2	77.2
GE 4000	32.3	70.0	73.0	75.2	76.8	77.3	77.7	78.0	78.1	78.2	78.2	78.2	78.3	78.3	78.3	78.3
GE 3000	33.0	72.5	75.8	78.0	79.8	80.3	80.9	81.1	81.2	81.3	81.4	81.4	81.4	81.5	81.5	81.5
GE 2000	33.3	73.9	77.2	79.6	81.4	81.9	82.5	82.7	82.8	82.9	83.0	83.0	83.0	83.1	83.1	83.1
GE 1000	33.8	76.3	79.9	82.4	84.5	85.1	85.6	85.9	86.0	86.1	86.1	86.1	86.2	86.2	86.3	86.3
GE 1000	34.0	77.2	81.0	83.6	85.8	86.4	87.1	87.3	87.4	87.5	87.6	87.6	87.7	87.7	87.7	87.7
GE 1000	34.2	78.7	82.6	85.4	87.6	88.3	89.0	89.1	89.4	89.5	89.5	89.5	89.6	89.6	89.7	89.7
GE 1000	34.7	79.0	83.0	85.9	88.2	88.8	89.5	89.6	89.9	90.0	90.0	90.0	90.1	90.1	90.2	90.2
GE 1000	34.9	80.1	84.5	87.5	89.8	90.7	91.4	91.7	91.8	91.9	92.0	92.0	92.1	92.1	92.1	92.1
GE 1000	34.9	80.7	85.4	88.6	91.1	92.1	92.8	93.1	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.5
GE 1000	34.9	81.2	86.0	89.4	92.2	93.0	93.9	94.2	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.7
GE 1000	34.9	81.7	86.5	89.9	93.0	93.9	94.8	95.1	95.2	95.4	95.4	95.4	95.5	95.5	95.5	95.5
GE 1000	34.9	81.8	86.9	90.5	93.9	94.8	95.8	96.1	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.5
GE 1000	34.9	82.0	87.2	90.8	94.6	95.5	96.5	96.9	97.1	97.3	97.3	97.4	97.4	97.4	97.5	97.5
GE 1000	34.9	82.5	87.6	91.3	95.0	96.1	97.4	97.9	98.0	98.2	98.4	98.4	98.5	98.5	98.5	98.5
GE 1000	34.9	82.7	87.7	91.4	95.1	96.3	97.7	98.3	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0
GE 1000	34.9	82.7	87.7	91.5	95.1	96.4	97.9	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.4	99.4
GE 1000	34.9	82.7	87.7	91.5	95.1	96.5	98.0	98.8	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8
GE 1000	34.9	82.7	87.7	91.5	95.1	96.5	98.0	98.7	98.9	99.2	99.4	99.6	99.8	99.8	99.9	100.0
GE 1000	34.9	82.7	87.7	91.5	95.1	96.5	98.0	98.7	98.9	99.2	99.4	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7000



AD-A187 858

GRISSON AFB INDIANA REVISED UNIFORM SUMMARY OF SURFACE

WEATHER OBSERVATIONS PARTS A-(U) AIR FORCE

ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

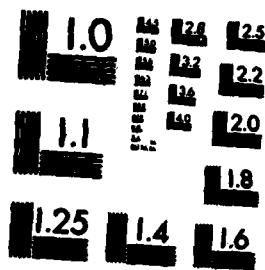
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 76-87  
MONTH: JUN HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	32.0	60.2	61.8	63.2	63.8	64.0	64.2	64.3	64.4	64.4	64.4	64.4	64.6	64.6	64.6
GE 20000	34.0	66.1	68.1	69.7	70.4	70.8	71.0	71.1	71.2	71.2	71.2	71.2	71.3	71.3	71.3
GE 18000	34.0	66.2	68.2	69.8	70.6	70.9	71.1	71.2	71.3	71.3	71.3	71.3	71.4	71.4	71.4
GE 16000	34.0	66.2	68.2	69.8	70.6	70.9	71.1	71.2	71.3	71.3	71.3	71.3	71.4	71.4	71.4
GE 14000	34.1	66.6	68.6	70.2	71.0	71.3	71.6	71.7	71.8	71.8	71.8	71.8	71.9	71.9	71.9
GE 12000	35.3	68.4	70.6	72.2	73.0	73.3	73.6	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0
GE 10000	37.8	73.9	76.7	78.6	79.3	79.7	79.9	80.1	80.2	80.3	80.3	80.3	80.4	80.4	80.4
GE 9000	38.3	74.9	77.7	79.6	80.3	80.7	80.9	81.1	81.2	81.3	81.3	81.3	81.4	81.4	81.4
GE 8000	38.4	76.9	79.7	81.7	82.7	83.0	83.3	83.7	83.8	83.9	83.9	83.9	84.0	84.0	84.0
GE 7000	38.7	78.3	81.2	83.2	84.2	84.6	84.9	85.2	85.3	85.4	85.4	85.4	85.6	85.6	85.6
GE 6000	38.9	78.9	81.9	83.9	85.0	85.3	85.7	86.0	86.1	86.2	86.2	86.2	86.3	86.3	86.3
GE 5000	39.7	81.1	84.2	86.3	87.4	87.8	88.1	88.7	88.8	88.9	88.9	88.9	89.1	89.1	89.1
GE 4500	40.1	82.1	85.3	87.4	88.6	88.9	89.2	89.8	89.9	90.0	90.0	90.0	90.2	90.2	90.2
GE 4000	40.6	84.1	87.4	89.6	90.8	91.1	91.4	92.0	92.1	92.2	92.2	92.2	92.4	92.4	92.4
GE 3500	40.6	84.8	88.3	90.4	92.0	92.3	92.7	93.2	93.3	93.4	93.4	93.4	93.7	93.7	93.7
GE 3000	40.8	85.3	88.9	91.0	92.9	93.2	93.7	94.2	94.3	94.4	94.4	94.4	94.7	94.7	94.7
GE 2500	41.0	86.4	90.1	92.2	94.1	94.4	94.9	95.4	95.6	95.7	95.7	95.7	95.9	95.9	95.9
GE 2000	41.3	87.1	90.8	92.9	94.8	95.1	95.6	96.1	96.2	96.3	96.3	96.3	96.6	96.6	96.6
GE 1800	41.3	87.1	90.8	92.9	94.8	95.1	95.6	96.1	96.2	96.3	96.3	96.3	96.6	96.6	96.6
GE 1500	41.3	87.6	91.2	93.4	95.3	95.7	96.2	96.8	96.9	97.0	97.0	97.0	97.2	97.2	97.2
GE 1200	41.3	87.6	91.2	93.6	95.4	95.8	96.3	96.9	97.0	97.1	97.1	97.1	97.3	97.3	97.3
GE 1000	41.6	88.2	91.9	94.3	96.3	96.7	97.4	98.0	98.1	98.2	98.2	98.2	98.4	98.4	98.4
GE 900	41.6	88.3	92.0	94.4	96.6	96.9	97.7	98.2	98.3	98.4	98.4	98.4	98.7	98.7	98.7
GE 800	41.6	88.7	92.4	94.9	97.1	97.6	98.3	98.9	99.0	99.1	99.1	99.1	99.3	99.3	99.3
GE 700	41.6	88.7	92.4	94.9	97.2	97.7	98.4	99.0	99.1	99.2	99.2	99.2	99.4	99.4	99.4
GE 600	41.6	88.7	92.6	95.0	97.4	97.9	98.7	99.2	99.3	99.4	99.4	99.4	99.7	99.7	99.7
GE 500	41.6	88.7	92.6	95.1	97.8	98.2	99.0	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 400	41.6	88.7	92.6	95.1	97.8	98.2	99.0	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 300	41.6	88.7	92.6	95.1	97.8	98.2	99.0	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 200	41.6	88.7	92.6	95.1	97.8	98.2	99.0	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 100	41.6	88.7	92.6	95.1	97.8	98.2	99.0	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 0	41.6	88.7	92.6	95.1	97.8	98.2	99.0	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.2	54.8	57.9	59.3	60.7	60.9	61.9	62.3	62.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0
GE 20000	26.9	59.0	62.6	64.2	66.2	66.4	67.6	68.2	68.3	68.7	68.9	68.9	68.9	68.9	68.9	68.9
GE 18000	29.0	59.2	62.8	64.4	66.4	66.7	67.8	68.4	68.6	68.9	69.1	69.1	69.1	69.1	69.1	69.1
GE 16000	29.0	59.2	62.8	64.4	66.4	66.7	67.8	68.4	68.6	68.9	69.1	69.1	69.1	69.1	69.1	69.1
GE 14000	29.1	59.8	63.3	65.0	67.0	67.2	68.3	69.0	69.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7
GE 12000	29.9	61.0	65.1	66.9	68.9	69.1	70.2	70.9	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6
GE 10000	31.8	66.7	71.2	73.6	76.1	76.3	77.4	78.1	78.2	78.6	78.8	78.8	78.8	78.8	78.8	78.8
GE 9000	32.0	66.9	71.4	73.9	76.4	76.7	77.8	78.6	78.7	79.0	79.2	79.2	79.2	79.2	79.2	79.2
GE 8000	32.4	68.8	73.3	75.9	78.4	78.7	79.8	80.6	80.7	81.0	81.2	81.2	81.2	81.2	81.2	81.2
GE 7000	32.4	69.2	73.8	76.3	79.1	79.3	80.4	81.2	81.3	81.7	81.9	81.9	81.9	81.9	81.9	81.9
GE 6000	32.7	69.7	74.3	76.9	79.7	79.9	81.0	81.8	81.9	82.2	82.4	82.4	82.4	82.4	82.4	82.4
GE 5000	33.8	71.8	76.4	79.1	82.1	82.3	83.6	84.3	84.4	84.8	85.0	85.0	85.0	85.0	85.0	85.0
GE 4500	34.0	72.9	77.6	80.3	83.3	83.6	84.9	85.7	85.8	86.2	86.4	86.4	86.4	86.4	86.4	86.4
GE 4000	34.2	75.7	81.0	83.9	86.9	87.1	88.6	89.3	89.4	89.9	90.1	90.1	90.1	90.1	90.1	90.1
GE 3500	34.2	76.3	81.8	84.7	87.7	87.9	89.3	90.1	90.2	90.7	90.9	90.9	90.9	90.9	90.9	90.9
GE 3000	34.2	77.2	83.0	86.0	89.1	89.4	90.9	91.7	91.8	92.2	92.4	92.4	92.4	92.4	92.4	92.4
GE 2500	34.3	77.8	83.6	86.7	90.1	90.4	91.9	92.7	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	34.3	78.7	84.4	87.7	91.1	91.4	92.9	93.7	93.8	94.2	94.4	94.4	94.4	94.4	94.4	94.4
GE 1800	34.3	78.8	84.6	87.8	91.2	91.6	93.0	93.8	93.9	94.3	94.6	94.6	94.6	94.6	94.6	94.6
GE 1500	34.3	79.0	84.8	88.1	91.6	92.0	93.4	94.2	94.3	94.8	95.0	95.0	95.0	95.0	95.0	95.0
GE 1200	34.4	79.1	85.0	88.4	91.9	92.4	93.9	94.7	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4
GE 1000	34.6	79.3	85.2	88.7	92.2	92.8	94.2	95.0	95.1	95.6	95.8	95.8	95.8	95.8	95.8	95.8
GE 900	34.6	79.6	85.4	88.9	92.6	93.1	94.6	95.3	95.4	95.9	96.1	96.1	96.1	96.1	96.1	96.1
GE 800	34.6	79.8	85.8	89.2	92.9	93.4	94.9	95.7	95.8	96.2	96.4	96.4	96.4	96.4	96.4	96.4
GE 700	34.6	80.0	86.0	89.6	93.3	93.9	95.3	96.1	96.2	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE 600	34.6	80.2	86.2	89.8	94.3	95.0	96.4	97.2	97.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	34.6	80.3	86.3	89.9	94.6	95.2	96.9	97.7	97.9	98.4	98.7	98.7	98.8	98.8	98.8	98.8
GE 400	34.6	80.3	86.3	89.9	94.7	95.3	97.2	98.0	98.2	98.8	99.1	99.1	99.2	99.2	99.2	99.2
GE 300	34.6	80.3	86.4	90.0	94.9	95.6	97.4	98.2	98.4	99.0	99.3	99.3	99.4	99.4	99.4	99.4
GE 200	34.6	80.3	86.4	90.0	94.9	95.6	97.4	98.2	98.4	99.0	99.7	99.7	99.8	99.8	99.9	99.9
GE 100	34.6	80.3	86.4	90.0	94.9	95.6	97.4	98.2	98.4	99.0	99.8	99.8	99.9	99.9	100.0	100.0
GE 0	34.6	80.3	86.4	90.0	94.9	95.6	97.4	98.2	98.4	99.0	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	16.8	46.1	48.9	51.7	54.0	54.3	54.8	55.4	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.2
GE 20000	18.6	51.7	55.4	58.9	61.6	62.1	62.8	63.4	63.7	64.1	64.2	64.2	64.2	64.2	64.2	64.3
GE 18000	18.6	52.3	56.1	59.6	62.2	62.8	63.4	64.1	64.3	64.8	64.9	64.9	64.9	64.9	64.9	65.0
GE 16000	18.6	52.3	56.1	59.6	62.2	62.8	63.4	64.1	64.3	64.8	64.9	64.9	64.9	64.9	64.9	65.0
GE 14000	18.6	52.6	56.4	59.9	62.6	63.1	63.8	64.4	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.3
GE 12000	19.0	54.0	58.2	61.7	64.3	64.9	65.6	66.2	66.4	66.9	67.0	67.0	67.0	67.0	67.0	67.2
GE 10000	19.9	59.4	64.7	68.6	72.0	72.6	73.2	73.9	74.1	74.6	74.7	74.7	74.7	74.7	74.7	74.9
GE 9000	20.0	60.0	65.2	69.2	72.7	73.2	73.9	74.6	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.6
GE 8000	20.6	61.2	67.0	71.2	75.1	75.7	76.3	77.0	77.2	77.7	77.8	77.8	77.8	77.8	77.8	78.0
GE 7000	20.6	61.3	67.1	71.3	75.7	76.3	77.1	77.8	78.0	78.4	78.6	78.6	78.6	78.6	78.6	78.8
GE 6000	20.8	62.0	67.8	72.0	76.3	77.0	77.8	78.4	78.7	79.1	79.2	79.2	79.2	79.2	79.2	79.4
GE 5000	21.4	64.4	70.7	75.4	79.9	80.8	81.7	82.4	82.7	83.1	83.2	83.2	83.2	83.2	83.2	83.4
GE 4500	21.6	65.2	71.4	76.6	81.0	81.9	83.0	83.8	84.0	84.4	84.6	84.6	84.6	84.6	84.6	84.8
GE 4000	21.9	66.9	73.2	78.4	83.3	84.2	85.3	86.1	86.3	86.8	86.9	86.9	86.9	86.9	86.9	87.1
GE 3500	22.0	67.3	73.7	79.0	84.0	84.9	86.0	86.8	87.0	87.4	87.6	87.6	87.6	87.6	87.6	87.8
GE 3000	22.2	68.9	75.2	80.8	86.0	86.9	88.0	88.8	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.8
GE 2500	22.2	69.4	75.8	81.4	86.7	87.6	88.7	89.7	89.9	90.4	90.6	90.6	90.6	90.6	90.6	90.8
GE 2000	22.2	69.7	76.1	81.9	87.1	88.0	89.2	90.2	90.4	91.0	91.1	91.1	91.1	91.1	91.1	91.3
GE 1900	22.2	69.7	76.2	82.0	87.2	88.1	89.3	90.3	90.6	91.1	91.2	91.2	91.2	91.2	91.2	91.4
GE 1500	22.3	70.4	77.0	83.0	88.2	89.4	90.7	91.7	91.9	92.4	92.6	92.6	92.6	92.6	92.6	92.8
GE 1200	22.3	70.9	77.6	83.9	89.4	90.8	92.1	93.1	93.3	93.9	94.0	94.0	94.0	94.0	94.0	94.2
GE 1000	22.3	71.2	78.1	84.4	90.1	91.4	92.8	93.8	94.0	94.6	94.7	94.7	94.7	94.7	94.7	94.9
GE 900	22.3	71.2	78.1	84.4	90.3	91.8	93.1	94.1	94.3	94.9	95.0	95.0	95.0	95.0	95.0	95.2
GE 800	22.3	71.2	78.1	84.6	90.4	91.9	93.3	94.3	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.4
GE 700	22.3	71.6	78.6	85.0	91.1	92.6	94.3	95.3	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.4
GE 600	22.3	71.7	78.7	85.2	91.8	93.2	95.3	96.4	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.6
GE 500	22.3	71.7	78.7	85.2	91.9	93.3	95.7	96.9	97.1	98.0	98.2	98.2	98.2	98.2	98.3	98.6
GE 400	22.3	71.8	78.9	85.4	92.1	93.6	96.0	97.4	97.7	98.6	98.8	98.8	98.8	98.8	98.9	99.1
GE 300	22.3	71.8	78.9	85.6	92.2	93.7	96.2	97.7	97.9	98.8	99.0	99.0	99.0	99.0	99.1	99.3
GE 200	22.3	71.8	78.9	85.6	92.2	93.7	96.2	97.8	98.0	98.9	99.3	99.3	99.3	99.3	99.4	99.7
GE 100	22.3	71.8	78.9	85.6	92.2	93.7	96.2	97.8	98.0	98.9	99.3	99.3	99.3	99.4	99.6	100.0
GE CL	22.3	71.8	78.9	85.6	92.2	93.7	96.2	97.8	98.0	98.9	99.3	99.3	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LSAFETYAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.0	53.6	55.0	55.6	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 20000	22.8	60.4	62.9	63.4	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 18000	22.8	60.7	63.1	63.7	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 16000	22.9	60.9	63.3	63.9	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 14000	23.0	61.3	63.9	64.4	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 12000	23.9	63.1	65.9	66.6	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 10000	25.1	68.7	72.1	73.3	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 9000	25.2	69.3	72.8	74.1	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 8000	25.9	71.7	75.6	76.9	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 7000	25.9	71.9	75.8	77.1	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 6000	26.1	72.2	76.1	77.4	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 5000	26.3	73.9	78.3	79.9	81.1	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4500	26.9	74.7	79.2	80.8	82.0	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 4000	27.3	77.6	82.6	84.4	85.9	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 3500	27.3	77.9	82.9	84.8	86.4	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 3000	27.7	79.3	84.4	86.3	88.0	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 2500	27.8	80.1	85.3	87.4	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2000	27.8	80.7	86.3	88.7	90.4	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1800	27.8	80.7	86.3	88.7	90.4	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1500	27.9	81.4	87.3	90.2	92.1	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1200	27.9	82.3	88.7	91.7	94.2	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1000	27.9	82.9	89.8	92.8	95.9	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	27.9	82.9	89.8	92.8	95.9	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	28.0	83.3	90.3	93.4	96.7	97.3	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 700	28.0	83.3	90.6	93.9	97.3	98.0	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	28.0	83.8	91.0	94.3	97.9	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	28.0	83.8	91.1	94.6	98.3	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	28.0	83.8	91.1	94.6	98.3	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	28.0	83.8	91.1	94.6	98.3	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	28.0	83.8	91.1	94.6	98.3	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	28.0	83.8	91.1	94.6	98.3	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 0	28.0	83.8	91.1	94.6	98.3	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	22.8	51.7	52.6	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 20000	26.4	60.6	61.9	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 18000	26.4	60.6	61.9	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 16000	26.8	60.9	62.2	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 14000	26.8	61.7	63.0	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 12000	27.3	63.8	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 10000	28.2	68.8	70.8	71.3	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 9000	28.2	69.2	71.2	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 8000	29.1	70.9	73.4	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 7000	29.2	71.4	74.1	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 6000	29.2	71.6	74.4	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 5000	29.6	74.2	77.9	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 4500	30.0	74.9	78.8	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 4000	31.3	79.6	83.9	84.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3500	31.8	82.3	86.7	87.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000	32.1	85.0	89.6	90.7	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2500	32.6	85.8	90.6	91.7	93.2	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2000	32.9	87.3	92.6	93.8	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	32.9	87.4	92.7	93.9	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	32.9	87.6	92.9	94.1	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1200	32.9	88.6	94.1	95.3	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	32.9	88.9	94.9	96.1	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	32.9	88.9	94.9	96.1	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	32.9	89.2	95.2	96.6	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	32.9	89.3	95.3	96.7	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	32.9	89.4	95.4	96.8	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	32.9	89.7	95.7	97.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	32.9	89.7	95.7	97.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	32.9	89.7	95.7	97.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	32.9	89.7	95.7	97.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	32.9	89.7	95.7	97.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	32.9	89.7	95.7	97.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE 10	GE 6	GE 5	GE 4	GE 3	2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	24.0	51.1	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 20000	20.1	63.0	64.6	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 18000	20.1	63.0	64.6	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 16000	20.6	63.4	65.0	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	20.6	65.2	66.9	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 12000	20.9	66.3	68.2	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 10000	30.7	71.8	74.0	74.6	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 9000	30.8	72.0	74.3	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 8000	31.2	73.9	76.3	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 7000	31.4	75.3	77.8	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 6000	31.4	75.7	78.1	79.0	79.2	79.2	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 5000	31.6	77.3	80.0	81.0	81.2	81.2	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 4500	32.1	78.3	81.0	82.0	82.2	82.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 4000	32.8	82.2	85.3	86.6	86.8	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 3500	34.3	86.4	89.7	91.2	91.6	91.7	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3000	34.6	88.9	92.2	93.9	94.2	94.6	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 2500	35.0	90.0	93.4	95.3	95.7	96.0	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	35.0	91.0	94.4	96.6	97.0	97.4	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1800	35.0	91.1	94.6	96.7	97.1	97.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	35.0	91.2	94.7	96.8	97.2	97.7	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2
GE 1200	35.0	91.6	95.1	97.2	97.8	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8
GE 1000	35.0	91.6	95.1	97.2	97.8	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8
GE 900	35.0	91.8	95.3	97.4	98.0	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
GE 800	35.0	91.8	95.6	97.7	98.2	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
GE 700	35.0	92.0	95.8	97.9	98.4	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
GE 600	35.0	92.0	95.8	97.9	98.7	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 500	35.0	92.0	95.8	97.9	98.7	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 400	35.0	92.0	95.8	97.9	98.7	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 300	35.0	92.1	95.9	98.0	98.8	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	35.0	92.1	95.9	98.0	98.8	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	35.0	92.1	95.9	98.0	98.8	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 0	35.0	92.1	95.9	98.0	98.8	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 76-87  
MONTH: JUN HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	26.4	54.7	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 20000	30.2	67.4	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 18000	30.4	67.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 16000	30.4	67.8	69.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 14000	30.9	69.4	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 12000	31.7	71.9	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 10000	32.6	77.7	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 9000	32.6	77.7	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 8000	33.2	79.9	81.6	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 7000	33.6	80.8	82.4	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 6000	33.7	81.3	83.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 5000	34.0	83.0	84.8	86.1	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 4500	34.0	83.4	85.3	86.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 4000	34.6	87.2	89.3	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8
GE 3500	34.9	88.4	90.6	92.2	93.3	93.6	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0
GE 3000	35.2	91.1	93.7	95.6	96.7	96.9	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3
GE 2500	35.4	91.7	94.2	96.1	97.3	97.6	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
GE 2000	35.6	92.2	94.8	96.8	98.0	98.2	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
GE 1800	35.6	92.2	94.8	96.8	98.0	98.2	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
GE 1500	35.6	92.3	94.9	96.9	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8
GE 1200	35.6	92.7	95.2	97.2	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
GE 1000	35.6	92.8	95.3	97.3	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
GE 900	35.6	93.0	95.6	97.6	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
GE 800	35.6	93.0	95.6	97.6	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
GE 700	35.6	93.0	95.6	97.7	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 600	35.6	93.0	95.6	97.7	99.2	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	35.6	93.0	95.6	97.7	99.2	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	35.6	93.0	95.6	97.7	99.2	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	35.6	93.0	95.6	97.7	99.2	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	35.6	93.0	95.6	97.7	99.2	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	35.6	93.0	95.6	97.7	99.2	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 01	35.6	93.0	95.6	97.7	99.2	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 2100-2300

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	30.9	59.1	59.9	60.8	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
GE 20000	34.1	68.8	69.9	71.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	
GE 18000	34.2	68.9	70.0	71.2	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	
GE 16000	34.2	68.9	70.0	71.2	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	
GE 14000	34.3	69.1	70.2	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	
GE 12000	35.1	70.8	72.0	73.3	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	
GE 10000	37.0	75.2	76.9	78.7	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	
GE 9000	37.1	75.6	77.2	79.0	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	
GE 8000	37.2	77.9	79.9	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	
GE 7000	37.6	78.9	81.0	83.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
GE 6000	38.2	80.2	82.3	85.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	
GE 5000	38.8	82.3	84.4	87.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	
GE 4500	39.0	83.1	85.2	88.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	
GE 4000	39.0	85.7	87.8	90.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	
GE 3500	39.2	86.9	89.1	92.0	93.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	
GE 3000	39.4	88.0	90.4	93.3	94.9	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	
GE 2500	39.8	88.6	91.1	94.0	95.6	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
GE 2000	40.0	89.6	92.2	95.3	97.0	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
GE 1800	40.0	89.6	92.2	95.3	97.0	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
GE 1500	40.0	90.0	92.7	96.0	97.7	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
GE 1200	40.0	90.2	92.9	96.3	98.0	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 1000	40.1	90.4	93.1	96.8	98.6	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 900	40.1	90.4	93.1	96.8	98.6	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 800	40.1	90.4	93.1	96.8	98.6	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 700	40.1	90.4	93.1	96.9	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 600	40.1	90.4	93.1	96.9	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 500	40.1	90.4	93.1	96.9	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	40.1	90.4	93.1	96.9	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	40.1	90.4	93.1	96.9	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	40.1	90.4	93.1	96.9	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	40.1	90.4	93.1	96.9	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	40.1	90.4	93.1	96.9	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.1	53.9	55.5	56.5	57.3	57.4	57.6	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0
GE 20000	27.9	62.1	64.3	65.5	66.4	66.6	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 18000	27.9	62.3	64.5	65.7	66.6	66.8	67.0	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 16000	28.1	62.5	64.6	65.8	66.7	66.9	67.2	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 14000	28.2	63.2	65.4	66.6	67.5	67.7	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 12000	28.9	64.9	67.3	68.6	69.5	69.7	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4
GE 10000	30.4	70.3	73.2	74.8	75.9	76.1	76.4	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 9000	30.5	70.7	73.7	75.3	76.4	76.6	76.9	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 8000	31.0	72.6	75.8	77.7	78.9	79.1	79.4	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 7000	31.2	73.4	76.7	78.6	79.9	80.1	80.4	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 6000	31.4	73.9	77.3	79.2	80.6	80.8	81.1	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
GE 5000	31.9	76.0	79.6	81.7	83.3	83.6	83.9	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4500	32.2	76.8	80.5	82.6	84.3	84.5	84.9	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 4000	32.7	79.9	83.8	86.1	87.9	88.1	88.5	88.8	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1
GE 3500	33.0	81.3	85.3	87.8	89.7	90.0	90.5	90.7	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3000	33.3	83.0	87.2	89.7	91.7	92.1	92.6	92.9	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2
GE 2500	33.5	83.7	88.0	90.6	92.7	93.1	93.6	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.3	94.3
GE 2000	33.6	84.5	89.0	91.7	93.9	94.3	94.8	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1800	33.6	84.6	89.0	91.8	93.9	94.3	94.9	95.2	95.3	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5
GE 1500	33.7	84.9	89.4	92.3	94.5	95.0	95.6	95.9	95.9	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 1200	33.7	85.4	90.0	93.0	95.3	95.8	96.4	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1
GE 1000	33.7	85.7	90.4	93.5	96.0	96.5	97.1	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 900	33.7	85.8	90.5	93.6	96.1	96.7	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9
GE 800	33.8	85.9	90.8	93.8	96.5	97.0	97.7	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	33.8	86.0	90.9	94.1	96.8	97.4	98.1	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	33.8	86.2	91.0	94.2	97.2	97.8	98.5	98.9	96.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
GE 500	33.8	86.2	91.1	94.3	97.4	98.0	98.8	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 400	33.8	86.2	91.1	94.3	97.4	98.0	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8
GE 300	33.8	86.2	91.2	94.3	97.5	98.1	99.0	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 200	33.8	86.2	91.2	94.3	97.5	98.1	99.0	99.3	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 100	33.8	86.2	91.2	94.3	97.5	98.1	99.0	99.3	99.4	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0
GE 0	33.8	86.2	91.2	94.3	97.5	98.1	99.0	99.3	99.4	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(1ST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.3	58.0	60.4	63.4	65.2	66.8	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 20000	28.6	63.9	67.1	70.9	73.0	74.9	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 18000	28.6	63.9	67.1	70.9	73.0	74.9	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 16000	28.6	63.9	67.1	70.9	73.0	74.9	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 14000	28.7	64.2	67.5	71.4	73.5	75.5	76.2	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 12000	28.8	64.7	68.4	72.6	74.7	76.7	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 10000	29.9	69.4	73.4	78.6	81.6	83.9	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 9000	30.1	69.6	73.7	78.8	81.8	84.1	84.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 8000	30.1	71.1	75.5	80.8	83.9	86.1	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 7000	30.1	71.3	75.7	81.0	84.2	86.5	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 6000	30.1	71.3	75.8	81.4	84.6	86.9	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 5000	30.2	72.7	78.0	83.9	87.4	89.7	90.5	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 4500	30.2	72.8	78.1	84.2	87.7	90.0	90.9	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 4000	30.4	74.2	79.9	86.2	90.2	92.7	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3500	30.4	74.4	80.1	86.5	90.4	92.9	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3000	30.6	75.4	81.1	87.4	91.9	94.4	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9
GE 2500	30.8	76.0	81.7	88.1	92.6	95.1	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.6	96.6
GE 2000	30.8	76.3	82.3	88.4	92.9	95.6	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1
GE 1800	30.8	76.3	82.0	88.4	92.9	95.6	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1
GE 1500	30.9	76.6	82.3	88.6	93.1	95.8	96.9	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.5	97.5
GE 1200	30.9	77.0	82.7	89.0	93.5	96.2	97.3	97.5	97.5	97.8	97.8	97.8	97.8	97.8	98.0	98.0
GE 1000	31.0	77.1	82.8	89.2	93.8	96.5	97.5	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.2	98.2
GE 900	31.0	77.2	82.9	89.4	94.0	96.7	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.4	98.4
GE 800	31.0	77.2	82.9	89.4	94.0	96.7	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.4	98.4
GE 700	31.0	77.2	82.9	89.4	94.2	96.9	98.1	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.7	98.7
GE 600	31.0	77.2	82.9	89.4	94.2	96.9	98.1	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.7	98.7
GE 500	31.0	77.2	82.9	89.4	94.3	97.0	98.3	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.9	98.9
GE 400	31.0	77.2	82.9	89.4	94.6	97.3	98.6	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.4
GE 300	31.0	77.2	82.9	89.4	94.6	97.3	98.6	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.6	99.6
GE 200	31.0	77.2	82.9	89.4	94.6	97.3	98.6	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.6	99.6
GE 100	31.0	77.2	82.9	89.4	94.6	97.3	98.6	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.6	100.0
GE 0	31.0	77.2	82.9	89.4	94.6	97.3	98.6	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.0	47.4	52.5	57.3	61.3	62.8	64.6	65.5	65.5	65.6	65.6	65.6	65.8	65.9	65.9	65.9
GE 20000	21.9	52.7	58.2	63.4	67.8	69.5	71.4	72.3	72.3	72.5	72.5	72.5	72.7	72.8	72.8	72.8
GE 18000	21.9	52.7	58.2	63.4	67.8	69.5	71.4	72.3	72.3	72.5	72.5	72.5	72.7	72.8	72.8	72.8
GE 16000	21.9	52.7	58.2	63.4	67.8	69.5	71.4	72.3	72.3	72.5	72.5	72.5	72.7	72.8	72.8	72.8
GE 14000	21.9	52.9	58.4	63.7	68.1	69.7	71.6	72.5	72.5	72.7	72.7	72.7	72.9	73.0	73.0	73.0
GE 12000	21.9	53.5	59.1	64.4	68.8	70.5	72.5	73.3	73.3	73.5	73.5	73.5	73.8	73.9	73.9	73.9
GE 10000	23.4	59.4	65.6	71.2	76.1	78.1	80.0	81.0	81.0	81.2	81.2	81.2	81.4	81.5	81.5	81.5
GE 9000	23.8	59.9	66.1	71.7	76.7	78.6	80.5	81.5	81.5	81.7	81.7	81.7	81.9	82.0	82.0	82.0
GE 8000	23.9	60.6	67.1	72.9	78.1	80.0	81.9	83.0	83.0	83.2	83.2	83.2	83.4	83.5	83.5	83.5
GE 7000	23.9	60.8	67.3	73.1	78.5	80.4	82.4	83.4	83.4	83.7	83.7	83.7	83.9	84.0	84.0	84.0
GE 6000	23.9	61.0	67.5	73.3	78.9	80.9	82.8	83.9	83.9	84.1	84.1	84.1	84.3	84.4	84.4	84.4
GE 5000	24.1	62.4	69.6	75.5	81.9	83.9	85.8	87.1	87.1	87.3	87.3	87.3	87.5	87.6	87.6	87.6
GE 4500	24.2	62.7	69.9	75.8	82.4	84.4	86.5	87.7	87.7	88.0	88.0	88.0	88.2	88.3	88.3	88.3
GE 4000	24.4	63.5	70.8	76.9	83.7	85.7	87.7	89.0	89.0	89.2	89.2	89.2	89.5	89.6	89.6	89.6
GE 3500	24.4	63.5	70.8	76.9	83.7	85.7	87.7	89.0	89.0	89.2	89.2	89.2	89.5	89.6	89.6	89.6
GE 3000	24.4	64.8	72.2	78.4	85.3	87.4	89.8	91.1	91.1	91.3	91.3	91.3	91.5	91.6	91.6	91.6
GE 2500	24.4	65.4	72.7	78.9	86.0	88.2	90.5	91.8	91.8	92.0	92.0	92.0	92.3	92.4	92.4	92.4
GE 2100	24.4	65.8	73.1	79.4	86.5	88.7	91.2	92.5	92.5	92.7	92.7	92.7	92.9	93.0	93.0	93.0
GE 1800	24.4	65.8	73.1	79.4	86.5	88.7	91.3	92.6	92.6	92.8	92.8	92.8	93.0	93.1	93.1	93.1
GE 1500	24.4	65.9	73.2	79.5	86.6	88.9	91.5	92.8	92.8	93.0	93.0	93.0	93.2	93.3	93.3	93.3
GE 1200	24.4	66.1	73.7	79.9	87.0	89.5	92.0	93.3	93.3	93.5	93.5	93.5	93.8	93.9	93.9	93.9
GE 1000	24.5	66.9	74.5	80.8	87.8	90.3	93.2	94.5	94.5	94.7	94.7	94.7	94.9	95.1	95.1	95.1
GE 900	24.5	67.0	74.7	81.1	88.2	90.6	93.5	94.9	94.9	95.2	95.2	95.2	95.4	95.5	95.5	95.5
GE 800	24.5	67.6	75.4	81.7	88.9	91.4	94.3	95.7	95.7	95.9	95.9	95.9	96.2	96.3	96.3	96.3
GE 700	24.5	67.6	75.4	81.7	89.4	91.9	95.4	96.8	96.8	97.0	97.0	97.0	97.3	97.4	97.4	97.4
GE 600	24.5	67.7	75.5	81.8	89.6	92.2	95.6	97.0	97.0	97.2	97.2	97.2	97.5	97.6	97.6	97.6
GE 500	24.5	67.7	75.5	81.9	89.8	92.4	95.8	97.2	97.2	97.5	97.5	97.5	97.8	98.0	98.1	98.1
GE 400	24.5	67.7	75.5	82.0	90.2	92.8	96.2	97.7	97.7	98.1	98.1	98.1	98.4	98.5	98.6	98.6
GE 300	24.5	67.7	75.5	82.0	90.2	92.8	96.2	97.7	98.0	98.4	98.6	98.7	99.0	99.1	99.2	99.2
GE 200	24.5	67.7	75.5	82.0	90.2	92.8	96.2	97.7	98.0	98.4	98.7	98.8	99.1	99.4	99.5	99.5
GE 100	24.5	67.7	75.5	82.0	90.2	92.8	96.2	97.7	98.0	98.4	98.7	98.8	99.1	99.4	99.5	100.0
GE 0	24.5	67.7	75.5	82.0	90.2	92.8	96.2	97.7	98.0	98.4	98.7	98.8	99.1	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM POLAR OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS: 1511: 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	4/16	1/4	1/8
NO CEIL	1	12.0	34.1	39.0	42.6	46.2	51.3	52.8	54.5	54.6	55.7	55.7	55.7	55.7	55.7	55.7	54.8	55.8
GE 20000	12.0	39.2	45.1	49.0	54.8	58.3	60.1	62.0	62.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	61.3	63.3
GE 18000	12.0	39.2	45.1	49.0	54.8	58.3	60.1	62.0	62.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	61.3	63.3
GE 16000	12.0	39.2	45.1	49.0	54.8	58.3	60.1	62.0	62.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	61.3	63.3
GE 14000	12.0	39.6	45.4	49.5	55.3	58.8	61.0	63.0	63.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
GE 12000	12.0	40.8	47.0	51.4	57.4	61.3	63.5	65.7	65.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.1
GE 10000	13.0	45.8	52.3	57.4	64.1	68.1	70.3	72.6	72.7	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.3	74.3
GE 9000	13.1	46.3	52.9	58.2	65.1	69.1	71.4	73.7	73.8	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.4	75.4
GE 8000	13.3	48.6	55.3	60.5	67.5	71.6	73.9	76.2	76.3	77.6	77.7	77.7	77.8	77.8	77.8	77.8	78.0	78.0
GE 7000	13.3	48.8	55.5	60.9	67.8	71.9	74.2	76.6	76.7	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.3	78.3
GE 6000	13.4	49.4	56.1	61.5	68.5	72.6	74.9	77.4	77.5	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.1	79.1
GE 5000	13.4	50.8	57.6	63.1	70.6	75.2	77.6	80.1	80.2	81.6	81.8	82.0	82.2	82.3	82.3	82.3	82.4	82.4
GE 4500	13.7	51.2	58.2	63.9	71.4	75.9	78.4	80.9	81.0	82.4	82.6	82.8	82.9	83.0	83.0	83.0	83.1	83.1
GE 4000	13.7	52.2	59.4	65.4	73.0	77.7	80.3	83.0	83.2	84.7	84.9	85.2	85.3	85.4	85.4	85.4	85.5	85.5
GE 3500	13.8	52.7	59.9	66.0	73.9	78.7	81.4	84.1	84.3	85.8	86.0	86.2	86.3	86.5	86.5	86.5	86.6	86.6
GE 3000	14.2	54.3	61.7	67.8	76.0	80.9	83.8	86.6	86.8	88.4	88.6	88.8	88.9	89.0	89.0	89.0	89.1	89.1
GE 2500	14.2	54.8	62.4	68.6	76.8	81.7	84.6	87.5	87.7	89.5	89.7	89.9	90.0	90.1	90.1	90.1	90.2	90.2
GE 2000	14.2	55.3	62.9	69.2	78.0	82.9	85.9	88.8	89.0	90.8	91.0	91.2	91.3	91.4	91.4	91.4	91.5	91.5
GE 1800	14.2	55.3	63.0	69.4	78.1	83.0	86.0	89.0	89.2	91.0	91.2	91.4	91.5	91.6	91.6	91.6	91.7	91.7
GE 1600	14.2	55.5	63.2	69.6	78.4	83.4	86.6	89.6	90.0	91.7	91.9	92.2	92.3	92.4	92.4	92.4	92.5	92.5
GE 1400	14.2	55.8	63.5	69.9	78.7	83.8	86.9	89.9	90.4	92.2	92.4	92.6	92.7	92.8	92.8	92.8	92.9	92.9
GE 1200	14.2	56.0	63.8	70.1	79.0	84.2	87.4	90.5	91.1	92.9	93.1	93.3	93.4	93.5	93.5	93.5	93.7	93.7
GE 1000	14.2	56.3	64.3	70.6	79.7	85.1	88.3	91.4	91.9	93.8	94.0	94.2	94.3	94.4	94.4	94.4	94.5	94.5
GE 900	14.2	56.7	64.6	71.0	80.6	86.0	89.4	92.5	93.0	94.8	95.1	95.3	95.4	95.5	95.5	95.5	95.6	95.6
GE 800	14.2	57.0	64.9	71.4	81.2	86.6	90.3	93.4	94.0	95.1	95.5	95.7	95.8	95.9	95.9	95.9	96.0	96.0
GE 700	14.2	57.0	64.9	71.7	81.6	87.2	91.0	94.2	94.7	96.9	97.2	97.4	97.5	97.6	97.6	97.6	97.7	97.7
GE 600	14.2	57.0	64.9	71.8	82.0	87.8	91.6	94.8	95.4	97.5	97.8	98.1	98.2	98.3	98.3	98.3	98.6	98.6
GE 500	14.2	57.0	64.9	71.8	82.4	88.3	92.0	95.3	95.8	98.0	98.3	98.5	98.6	98.7	98.7	98.7	99.0	99.0
GE 400	14.2	57.0	64.9	71.8	82.4	88.3	92.2	95.4	95.9	98.1	98.4	98.6	98.8	99.0	99.0	99.0	99.4	99.4
GE 300	14.2	57.0	64.9	71.8	82.4	88.3	92.2	95.4	96.0	98.2	98.5	98.7	98.9	99.4	99.4	99.4	99.7	99.8
GE 200	14.2	57.0	64.9	71.8	82.4	88.3	92.2	95.4	96.0	98.2	98.5	98.7	98.9	99.4	99.4	99.4	99.7	99.8
GE 100	14.2	57.0	64.9	71.8	82.4	88.3	92.2	95.4	96.0	98.2	98.5	98.7	98.9	99.4	99.4	99.4	99.7	100.0
GE	0	14.2	57.0	64.9	71.8	82.4	88.3	92.2	95.4	96.0	98.2	98.5	98.7	98.9	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	13.0	45.2	49.0	52.5	53.8	54.8	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 20000	15.6	53.8	58.1	61.5	63.3	64.5	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 18000	15.6	53.9	58.2	61.6	63.4	64.6	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 16000	15.6	53.9	58.4	61.9	63.8	64.9	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	15.6	54.4	58.9	62.8	64.7	66.0	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 12000	15.7	55.3	59.9	64.0	66.2	67.6	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 10000	16.1	60.3	65.4	69.5	72.3	73.7	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 9000	16.1	60.5	65.6	69.7	72.5	73.9	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 8000	16.1	62.0	67.2	71.5	74.3	75.8	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 7000	16.2	62.4	67.5	71.8	74.6	76.1	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 6000	16.2	62.7	68.2	72.7	75.5	77.0	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 5000	16.5	64.6	70.1	74.7	77.5	79.0	79.8	79.9	80.1	80.3	80.6	80.6	80.6	80.6	80.6	80.6
GE 4500	16.6	64.7	70.2	74.8	77.8	79.4	80.1	80.2	80.4	80.6	81.0	81.0	81.0	81.0	81.0	81.0
GE 4000	16.9	66.5	71.9	76.7	79.8	81.6	82.4	82.5	82.7	82.9	83.2	83.2	83.2	83.2	83.2	83.2
GE 3500	16.9	66.8	72.5	77.4	80.8	82.6	83.3	83.4	83.7	83.9	84.2	84.2	84.2	84.2	84.2	84.2
GE 3000	17.0	68.9	75.2	80.2	84.0	85.8	86.6	86.7	86.9	87.1	87.4	87.4	87.4	87.4	87.4	87.4
GE 2500	17.0	69.8	76.0	81.3	85.4	87.2	88.0	88.1	88.3	88.5	88.8	88.8	88.8	88.8	88.8	88.8
GE 2000	17.0	70.9	77.1	82.4	86.5	88.4	89.1	89.4	89.6	89.8	90.1	90.1	90.1	90.1	90.1	90.1
GE 1800	17.0	71.0	77.4	82.7	86.8	88.7	89.5	89.7	89.9	90.1	90.4	90.4	90.4	90.4	90.4	90.4
GE 1500	17.2	71.9	78.7	84.4	88.5	90.4	91.2	91.5	91.7	91.9	92.3	92.3	92.3	92.3	92.3	92.3
GE 1200	17.3	73.5	80.5	86.3	90.4	92.6	93.4	93.8	94.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5
GE 1000	17.3	74.1	81.2	87.3	91.9	94.1	95.1	95.4	95.6	95.8	96.1	96.1	96.1	96.1	96.1	96.1
GE 900	17.3	74.2	81.7	88.2	93.0	95.2	96.1	96.5	96.7	96.9	97.2	97.2	97.2	97.2	97.2	97.2
GE 800	17.3	74.3	81.8	88.4	93.4	95.8	96.8	97.1	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	17.3	74.4	82.0	88.8	94.1	96.5	97.7	98.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	17.3	74.5	82.2	89.1	94.5	96.9	98.2	98.6	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	17.3	74.5	82.3	89.2	94.6	97.1	98.5	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	17.3	74.5	82.3	89.2	94.6	97.1	98.5	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	17.3	74.5	82.3	89.2	94.6	97.1	98.5	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	17.3	74.5	82.3	89.2	94.6	97.1	98.5	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	17.3	74.5	82.3	89.2	94.6	97.1	98.5	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE	CI	17.3	74.5	82.3	89.2	94.6	97.1	98.5	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 76-87  
MONTH: JUL HOURS/DAY: 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.2	48.4	50.5	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	18.2	58.0	60.5	62.7	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 18000	18.2	58.0	60.5	62.7	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 16000	18.2	58.2	60.9	63.0	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 14000	18.2	58.7	61.5	63.9	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 12000	18.4	59.7	62.6	64.9	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 10000	19.6	64.8	68.8	71.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 9000	19.6	64.8	68.8	71.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 8000	19.7	66.1	70.8	73.8	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 7000	19.9	66.8	71.4	74.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 6000	19.9	66.9	71.5	74.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 5000	20.1	68.3	72.9	76.0	77.2	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4500	20.1	68.3	72.9	76.0	77.5	77.5	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 4000	20.4	71.3	75.9	79.5	81.0	81.0	81.2	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 3500	20.4	74.2	79.1	82.8	84.6	84.6	84.8	85.3	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5
GE 3000	20.6	78.4	83.4	87.5	89.7	89.7	90.1	90.5	90.5	90.6	90.6	90.8	90.8	90.8	90.8	90.8
GE 2500	20.6	79.4	84.8	88.9	91.2	91.2	91.6	92.0	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4
GE 2000	21.1	80.0	85.8	89.9	92.6	92.6	93.1	93.5	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9
GE 1800	21.1	80.1	85.9	90.0	92.7	92.7	93.2	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0
GE 1500	21.2	81.4	87.4	91.7	94.5	94.5	95.3	95.7	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1
GE 1200	21.3	82.0	88.3	93.0	96.1	96.3	97.2	97.6	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2
GE 1000	21.3	82.3	88.6	93.4	96.6	96.8	97.6	98.1	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6
GE 900	21.3	82.4	88.9	93.8	96.9	97.1	98.0	98.4	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9
GE 800	21.3	82.6	89.5	94.4	97.5	97.7	98.6	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 700	21.3	82.6	89.5	94.4	97.5	97.7	98.6	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 600	21.3	82.6	89.5	94.4	97.5	97.7	98.6	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 500	21.3	82.6	89.6	94.5	97.6	97.8	98.7	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 400	21.3	82.6	89.6	94.5	97.6	97.8	98.7	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	21.3	82.6	89.6	94.5	97.6	97.8	98.7	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	21.3	82.6	89.6	94.5	97.6	97.8	98.7	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	21.3	82.6	89.6	94.5	97.6	97.8	98.7	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	21.3	82.6	89.6	94.5	97.6	97.8	98.7	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL		17.6	51.5	54.8	55.4	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 20000	21.4	64.1	68.1	68.6	69.2	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 18000	21.4	64.2	68.2	68.7	69.4	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 16000	21.4	64.2	68.2	68.7	69.4	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 14000	21.5	64.7	68.7	69.4	70.0	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 12000	22.0	66.5	70.4	71.1	71.7	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 10000	23.1	70.6	74.9	76.2	77.0	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 9000	23.2	70.8	75.1	76.3	77.1	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 8000	23.3	72.3	77.1	78.4	79.2	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 7000	23.3	72.6	77.4	78.9	79.9	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 6000	23.4	72.9	77.8	79.4	80.3	80.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 5000	23.7	74.2	79.6	81.2	82.5	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 4500	23.7	74.5	80.0	81.7	83.3	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 4000	24.2	78.3	84.1	86.0	87.7	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3500	24.4	80.0	86.1	88.2	90.2	90.3	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3000	24.6	82.7	88.8	91.2	93.7	93.9	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 2500	24.6	83.0	89.1	91.6	94.2	94.6	95.3	95.3	95.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5
GE 2000	24.7	83.2	89.6	92.3	95.2	95.6	96.2	96.2	96.2	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	24.7	83.2	89.8	92.5	95.4	95.8	96.5	96.5	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 1500	24.7	83.7	90.3	93.2	96.1	96.6	97.2	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	24.7	84.1	91.0	94.2	97.3	97.7	98.4	98.4	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	24.7	84.5	91.4	94.6	97.8	98.3	98.9	98.9	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	24.7	84.5	91.4	94.6	97.8	98.3	98.9	98.9	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	24.7	84.6	91.5	94.8	98.1	98.5	99.1	99.1	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	24.7	84.6	91.5	94.8	98.1	98.6	99.2	99.2	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	24.7	84.7	91.6	94.9	98.2	98.7	99.4	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	24.7	84.7	91.6	94.9	98.2	98.7	99.4	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	24.7	84.7	91.6	94.9	98.2	98.7	99.4	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	24.7	84.7	91.6	94.9	98.2	98.7	99.4	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	24.7	84.7	91.6	94.9	98.2	98.7	99.4	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	24.7	84.7	91.6	94.9	98.2	98.7	99.4	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	24.7	84.7	91.6	94.9	98.2	98.7	99.4	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES														
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	19.3	52.9	56.9	58.2	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 20000	20.4	64.3	69.0	70.7	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 18000	20.4	64.9	69.5	71.2	72.5	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 16000	20.4	64.9	69.5	71.2	72.5	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 14000	20.5	65.3	69.9	71.9	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 12000	21.1	67.1	71.8	73.8	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 10000	21.9	70.2	75.5	78.3	79.8	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 9000	21.9	70.5	75.9	78.7	80.2	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 8000	22.0	71.2	76.9	80.0	81.6	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 7000	22.0	71.4	77.2	80.2	81.8	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 6000	22.1	71.9	77.6	80.6	82.2	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 5000	22.1	72.8	78.8	81.8	83.6	83.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 4500	22.2	73.5	79.4	82.5	84.4	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 4000	24.0	78.3	84.6	87.8	90.0	90.1	90.7	90.7	90.7	90.7	90.8	90.8	90.9	90.9	90.9	90.9
GE 3500	24.2	79.8	86.1	89.3	91.5	91.6	92.2	92.2	92.2	92.2	92.3	92.3	92.5	92.5	92.5	92.5
GE 3000	24.4	81.7	88.1	91.9	94.7	94.8	95.5	95.6	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8
GE 2500	24.4	82.3	88.9	92.8	96.1	96.2	97.0	97.1	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3
GE 2000	24.4	82.8	89.3	93.2	96.9	97.0	97.7	97.8	97.8	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 1800	24.4	82.8	89.3	93.2	96.9	97.0	97.7	97.8	97.8	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 1500	24.4	82.9	89.8	93.8	97.4	97.5	98.3	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6
GE 1200	24.4	83.1	90.0	94.0	97.7	97.8	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9
GE 1000	24.4	83.1	90.2	94.2	98.5	98.6	99.5	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 900	24.4	83.1	90.2	94.2	98.5	98.6	99.5	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 800	24.4	83.1	90.2	94.2	98.5	98.6	99.5	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 700	24.4	83.1	90.2	94.2	98.5	98.6	99.5	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 600	24.4	83.1	90.2	94.3	98.6	98.7	99.6	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 500	24.4	83.1	90.2	94.3	98.6	98.7	99.6	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 400	24.4	83.1	90.2	94.3	98.6	98.7	99.6	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	24.4	83.1	90.2	94.3	98.6	98.7	99.6	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	24.4	83.1	90.2	94.3	98.6	98.7	99.6	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	24.4	83.1	90.2	94.3	98.6	98.7	99.6	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 0	24.4	83.1	90.2	94.3	98.6	98.7	99.6	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(1ST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.1	55.9	59.3	61.1	63.0	63.8	64.2	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
GE 20000	27.0	63.9	68.4	70.9	73.2	74.3	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1
GE 18000	27.0	64.1	68.6	71.1	73.5	74.5	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3
GE 16000	27.0	64.1	68.6	71.1	73.5	74.5	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3
GE 14000	27.0	64.3	68.8	71.3	73.7	74.8	75.2	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
GE 12000	27.6	65.8	70.7	73.4	75.8	76.9	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7
GE 10000	28.7	69.7	75.0	77.9	80.7	82.0	82.6	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0
GE 9000	28.7	69.8	75.1	78.0	80.8	82.1	82.7	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1
GE 8000	28.7	71.0	76.6	79.7	82.5	83.8	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8
GE 7000	28.9	71.3	76.9	80.3	83.3	84.6	85.2	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5
GE 6000	28.9	71.7	77.6	80.9	83.9	85.2	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2
GE 5000	28.9	72.2	78.5	82.1	85.5	86.8	87.7	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0
GE 4500	29.1	72.7	79.1	83.0	86.4	87.7	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9
GE 4000	30.1	76.3	83.0	87.3	91.2	92.6	93.4	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7
GE 3500	30.1	76.8	83.5	87.8	91.8	93.2	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	30.4	78.6	85.3	89.8	94.3	95.8	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 2500	30.4	79.1	85.8	90.2	94.9	96.5	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	30.4	79.2	85.9	90.3	95.0	96.7	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	30.4	79.3	86.0	90.4	95.1	96.8	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 1600	30.4	79.3	86.0	90.4	95.4	97.0	98.5	98.7	98.7	98.7	98.8	98.9	98.9	98.9	99.0	99.0
GE 1200	30.4	79.3	86.0	90.5	95.5	97.1	98.6	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.1	99.1
GE 1000	30.5	79.4	86.1	90.6	95.7	97.3	99.0	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.6	99.6
GE 900	30.5	79.4	86.1	90.6	95.7	97.3	99.0	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.6	99.6
GE 800	30.5	79.5	86.2	90.7	95.8	97.5	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8
GE 700	30.5	79.5	86.2	90.7	96.0	97.7	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 600	30.5	79.5	86.2	90.7	96.0	97.7	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	30.5	79.5	86.2	90.7	96.0	97.7	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	30.5	79.5	86.2	90.7	96.0	97.7	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	30.5	79.5	86.2	90.7	96.0	97.7	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	30.5	79.5	86.2	90.7	96.0	97.7	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	30.5	79.5	86.2	90.7	96.0	97.7	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 0	30.5	79.5	86.2	90.7	96.0	97.7	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	18.8	49.2	52.8	55.4	57.4	58.4	59.0	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 20000	20.6	57.5	61.8	64.7	67.1	68.3	69.1	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 18000	20.6	57.6	61.9	64.8	67.2	68.4	69.2	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 16000	20.6	57.6	62.0	64.9	67.3	68.5	69.3	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 14000	20.7	58.0	62.4	65.5	67.9	69.1	69.9	70.3	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6
GE 12000	21.0	59.2	63.7	66.9	69.4	70.7	71.6	72.0	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.3
GE 10000	22.0	63.8	68.9	72.6	75.5	76.9	77.8	78.3	78.3	78.5	78.5	78.5	78.5	78.6	78.6	78.6
GE 9000	22.1	64.0	69.1	72.9	75.8	77.2	78.1	78.6	78.6	78.8	78.8	78.8	78.9	78.9	78.9	78.9
GE 8000	22.1	65.4	70.8	74.7	77.7	79.1	80.1	80.6	80.6	80.8	80.8	80.8	80.8	80.9	80.9	80.9
GE 7000	22.2	65.7	71.1	75.1	78.2	79.6	80.5	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3
GE 6000	22.2	66.0	71.5	75.5	78.7	80.1	81.0	81.5	81.6	81.8	81.8	81.8	81.8	81.9	81.9	81.9
GE 5000	22.4	67.2	73.1	77.3	80.8	82.3	83.3	83.4	83.9	84.1	84.2	84.2	84.3	84.3	84.3	84.3
GE 4500	22.5	67.5	73.5	77.7	81.4	82.9	83.9	84.4	84.5	84.7	84.8	84.8	84.9	84.9	84.9	84.9
GE 4000	23.0	70.1	76.2	80.7	84.6	86.1	87.2	87.8	87.9	88.2	88.2	88.3	88.3	88.4	88.4	88.4
GE 3500	23.1	71.0	77.3	81.9	85.9	87.5	88.5	89.2	89.2	89.5	89.6	89.6	89.7	89.7	89.7	89.7
GE 3000	23.3	73.1	79.5	84.3	88.7	90.3	91.6	92.2	92.3	92.6	92.7	92.7	92.8	92.8	92.8	92.8
GE 2500	23.3	73.7	80.2	85.0	89.6	91.3	92.6	93.3	93.4	93.7	93.8	93.8	93.9	93.9	93.9	93.9
GE 2000	23.4	74.2	80.7	85.6	90.4	92.2	93.5	94.2	94.3	94.6	94.7	94.7	94.8	94.8	94.8	94.8
GE 1800	23.4	74.2	80.8	85.7	90.5	92.3	93.6	94.3	94.4	94.7	94.8	94.8	94.9	94.9	95.0	95.0
GE 1500	23.4	74.6	81.4	86.4	91.2	93.0	94.4	95.1	95.2	95.6	95.7	95.7	95.8	95.8	95.8	95.8
GE 1200	23.4	75.1	82.0	87.1	92.0	93.9	95.3	96.0	96.1	96.5	96.6	96.6	96.7	96.7	96.8	96.8
GE 1000	23.5	75.4	82.3	87.5	92.6	94.5	96.0	96.7	96.9	97.3	97.4	97.4	97.5	97.5	97.6	97.6
GE 900	23.5	75.5	82.5	87.8	93.0	94.8	96.4	97.1	97.2	97.6	97.7	97.8	97.8	97.9	97.9	97.9
GE 800	23.5	75.7	82.8	88.1	93.4	95.3	96.8	97.6	97.7	98.1	98.2	98.3	98.3	98.4	98.4	98.4
GE 700	23.5	75.7	82.8	88.2	93.6	95.6	97.3	98.0	98.2	98.6	98.7	98.8	98.9	98.9	98.9	98.9
GE 600	23.5	75.8	82.9	88.3	93.8	95.7	97.5	98.3	98.4	98.9	99.0	99.0	99.1	99.2	99.2	99.2
GE 500	23.5	75.8	82.9	88.4	93.9	95.9	97.7	98.5	98.6	99.1	99.2	99.2	99.3	99.4	99.4	99.4
GE 400	23.5	75.8	82.9	88.4	94.0	96.1	97.8	98.6	98.8	99.3	99.4	99.4	99.5	99.5	99.6	99.6
GE 300	23.5	75.8	82.9	88.4	94.0	96.1	97.8	98.7	98.8	99.3	99.5	99.6	99.7	99.7	99.8	99.8
GE 200	23.5	75.8	82.9	88.4	94.0	96.1	97.8	98.7	98.9	99.4	99.5	99.6	99.7	99.8	99.8	99.9
GE 100	23.5	75.8	82.9	88.4	94.0	96.1	97.8	98.7	98.9	99.4	99.5	99.6	99.7	99.8	99.8	100.0
GE 0	23.5	75.8	82.9	88.4	94.0	96.1	97.8	98.7	98.9	99.4	99.5	99.6	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	22.7	52.5	57.2	60.9	64.2	64.9	65.0	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 20000	24.8	58.3	63.1	67.2	72.0	73.3	73.4	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.2
GE 18000	24.8	58.4	63.2	67.3	72.1	73.4	73.5	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.3
GE 16000	24.8	58.4	63.2	67.3	72.1	73.4	73.5	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.3
GE 14000	25.3	59.3	64.1	68.4	73.2	74.5	74.6	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.4
GE 12000	25.4	60.8	65.6	70.0	75.1	76.6	76.7	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.5
GE 10000	25.5	63.1	68.1	72.9	78.2	79.8	80.0	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.7
GE 9000	25.6	63.3	68.5	73.3	78.6	80.3	80.4	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.2
GE 8000	25.6	64.9	70.5	75.7	81.3	83.0	83.1	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.9
GE 7000	25.6	64.9	70.5	75.7	81.3	83.3	83.4	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2
GE 6000	25.6	65.4	71.0	76.3	81.8	83.9	84.3	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1
GE 5000	25.8	66.8	73.4	79.3	84.9	87.0	87.5	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2
GE 4500	25.9	67.4	74.1	80.1	85.7	87.9	88.3	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.1
GE 4000	26.3	69.3	76.3	82.9	88.8	91.0	91.4	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.2
GE 3500	26.6	70.4	77.6	84.4	90.4	92.6	93.0	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.8
GE 3000	26.8	71.5	79.0	86.4	93.1	95.3	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5
GE 2500	26.9	71.9	79.5	86.9	93.7	95.9	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3
GE 2000	27.1	72.3	80.0	87.4	94.2	96.4	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8
GE 1800	27.1	72.4	80.1	87.5	94.3	96.5	97.2	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.9
GE 1500	27.1	72.8	80.4	87.8	94.8	96.9	97.6	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4
GE 1200	27.1	72.8	80.6	88.0	95.0	97.2	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6
GE 1000	27.1	72.8	80.6	88.0	95.1	97.3	97.9	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7
GE 900	27.1	72.8	80.6	88.0	95.1	97.4	98.1	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9
GE 800	27.1	72.8	80.6	88.0	95.2	97.5	98.3	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0
GE 700	27.1	72.8	80.8	88.2	95.4	97.7	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2
GE 600	27.1	72.8	80.8	88.2	95.4	97.7	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2
GE 500	27.1	72.8	81.2	88.6	96.0	98.3	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 400	27.1	72.8	81.2	88.6	96.0	98.3	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 300	27.1	72.8	81.2	88.6	96.0	98.3	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 200	27.1	72.8	81.2	88.6	96.0	98.3	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	27.1	72.8	81.2	88.6	96.0	98.3	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 0	27.1	72.8	81.2	88.6	96.0	98.3	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	17.4	40.8	45.7	50.4	54.5	55.0	56.8	57.3	57.3	57.5	57.7	57.7	57.8	58.0	58.2	58.5	
GE 20000	17.9	43.9	49.4	54.5	59.2	60.4	62.9	63.7	63.7	64.0	64.1	64.1	64.2	64.4	64.6	64.9	
GE 18000	17.9	43.9	49.4	54.5	59.2	60.4	62.9	63.7	63.7	64.0	64.1	64.1	64.2	64.4	64.6	64.9	
GE 16000	17.9	43.9	49.4	54.5	59.2	60.4	62.9	63.7	63.7	64.0	64.1	64.1	64.2	64.4	64.6	64.9	
GE 14000	18.5	45.3	50.8	55.9	60.6	61.8	64.6	65.5	65.5	65.7	65.8	65.8	65.9	66.1	66.3	66.7	
GE 12000	18.6	46.7	52.2	57.4	62.4	63.8	66.8	67.9	67.9	68.1	68.2	68.2	68.3	68.5	68.7	69.1	
GE 10000	19.7	49.6	56.8	63.0	68.2	69.9	72.9	73.9	73.9	74.2	74.3	74.3	74.4	74.6	74.8	75.1	
GE 9000	19.7	49.7	56.9	63.4	68.6	70.5	73.4	74.5	74.5	74.7	74.8	74.8	74.9	75.1	75.4	75.7	
GE 8000	19.5	51.4	59.2	65.7	71.4	73.3	76.3	77.4	77.4	77.6	77.7	77.7	77.9	78.1	78.3	78.6	
GE 7000	19.5	51.7	59.5	66.0	71.8	73.6	76.7	77.7	77.7	78.0	78.1	78.1	78.2	78.4	78.6	78.9	
GE 6000	19.8	52.4	60.3	66.8	72.7	74.6	78.0	79.0	79.0	79.3	79.4	79.4	79.5	79.7	79.9	80.2	
GE 5000	20.2	53.7	62.1	69.3	75.9	77.9	81.7	82.7	82.7	83.0	83.1	83.1	83.2	83.4	83.6	83.9	
GE 4500	20.3	54.5	63.0	70.4	77.2	79.2	83.0	84.0	84.0	84.3	84.4	84.4	84.5	84.7	84.9	85.2	
GE 4000	21.1	56.5	65.3	72.6	79.7	81.9	86.1	87.2	87.2	87.5	87.6	87.6	87.7	87.9	88.2	88.5	
GE 3500	21.4	57.7	66.4	73.8	81.1	83.3	87.6	88.8	88.8	89.1	89.3	89.3	89.4	89.6	89.8	90.1	
GE 3000	21.4	58.8	67.9	75.6	84.1	86.5	91.0	92.3	92.3	92.6	92.7	92.7	92.8	93.1	93.3	93.6	
GE 2500	21.4	59.3	68.5	76.4	85.0	87.4	92.0	93.3	93.4	93.7	93.8	93.8	93.9	94.1	94.4	94.7	
GE 2000	21.4	59.7	68.9	76.9	85.5	87.8	92.7	94.0	94.1	94.5	94.6	94.6	94.7	94.9	95.1	95.4	
GE 1800	21.4	59.7	68.9	76.9	85.5	87.8	92.7	94.0	94.1	94.5	94.6	94.6	94.7	94.9	95.1	95.4	
GE 1500	21.4	59.8	69.2	77.1	86.0	88.4	93.4	94.7	94.8	95.1	95.2	95.2	95.3	95.5	95.8	96.1	
GE 1200	21.4	59.9	69.3	77.2	86.1	88.5	93.5	94.8	94.9	95.2	95.3	95.3	95.4	95.7	95.9	96.2	
GE 1000	21.4	60.4	69.8	77.7	86.8	89.1	94.4	95.7	95.8	96.1	96.2	96.2	96.3	96.5	96.7	97.1	
GE 900	21.4	60.4	69.8	77.7	86.8	89.1	94.5	95.8	95.9	96.2	96.3	96.3	96.4	96.6	96.9	97.2	
GE 800	21.4	60.4	69.8	77.7	86.8	89.1	94.5	95.8	95.9	96.2	96.3	96.3	96.4	96.6	96.9	97.2	
GE 700	21.4	60.4	69.8	77.7	86.8	89.1	94.5	95.8	95.9	96.2	96.3	96.3	96.4	96.6	96.9	97.2	
GE 600	21.4	60.4	69.8	77.7	86.8	89.1	94.5	95.8	95.9	96.2	96.3	96.3	96.4	96.6	96.9	97.2	
GE 500	21.4	60.4	69.8	77.7	86.8	89.1	94.5	95.8	95.9	96.2	96.3	96.3	96.4	96.6	96.9	97.2	
GE 400	21.4	60.5	70.2	78.3	87.9	90.4	95.9	97.3	97.3	97.5	97.8	97.9	98.0	98.3	98.5	99.0	
GE 300	21.4	60.5	70.2	78.3	87.9	90.4	95.9	97.3	97.3	97.5	97.8	97.9	98.0	98.3	98.5	99.0	
GE 200	21.4	60.5	70.2	78.3	87.9	90.4	95.9	97.3	97.3	97.5	97.8	97.9	98.0	98.3	98.5	99.0	
GE 100	21.4	60.5	70.2	78.3	87.9	90.4	95.9	97.3	97.3	97.5	97.8	97.9	98.0	98.3	98.5	99.0	
GE 0	21.4	60.5	70.2	78.3	87.9	90.4	95.9	97.3	97.3	97.5	97.8	97.9	98.0	98.3	98.5	99.0	

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	10.6	28.9	33.6	36.9	43.0	46.1	48.4	49.5	50.7	51.8	52.6	52.6	53.0	53.0	53.1	53.4
GE 20000	10.9	31.9	37.0	41.3	48.3	52.3	55.4	56.8	58.3	59.6	60.7	60.7	61.1	61.1	61.2	61.6
GE 18000	10.9	31.9	37.1	41.4	48.4	52.4	55.5	56.9	58.4	59.7	60.8	60.8	61.2	61.2	61.3	61.7
GE 16000	10.9	31.9	37.1	41.4	48.5	52.6	55.6	57.0	58.5	59.8	60.9	60.9	61.3	61.3	61.5	61.8
GE 14000	10.9	32.0	37.5	41.7	48.9	52.9	55.9	57.3	58.8	60.2	61.2	61.2	61.7	61.7	61.8	62.1
GE 12000	11.2	32.9	38.8	43.4	50.6	54.6	57.8	59.2	60.7	62.2	63.4	63.4	63.8	63.8	64.0	64.3
GE 10000	12.3	35.9	42.5	48.0	56.1	60.6	64.3	66.0	67.5	69.1	70.4	70.4	70.8	70.8	70.9	71.2
GE 9000	12.6	36.8	43.4	49.1	57.3	61.9	65.7	67.4	68.9	70.5	71.8	71.8	72.2	72.2	72.3	72.6
GE 8000	12.8	38.7	46.0	52.2	60.9	66.1	69.9	71.7	73.3	74.9	76.4	76.4	77.1	77.1	77.2	77.6
GE 7000	12.8	38.7	46.0	52.2	60.9	66.2	70.0	71.8	73.5	75.1	76.7	76.7	77.3	77.3	77.4	77.9
GE 6000	12.8	38.9	46.4	52.8	61.5	66.9	70.7	72.4	74.2	75.8	77.3	77.3	78.0	78.0	78.1	78.5
GE 5000	12.9	39.7	47.4	54.1	63.1	68.5	72.7	74.7	76.4	78.1	79.7	79.7	80.3	80.3	80.5	80.9
GE 4500	13.1	41.2	48.9	55.6	64.9	70.6	75.0	77.1	78.8	80.5	82.2	82.2	82.8	82.8	83.0	83.4
GE 4000	13.1	42.0	50.4	57.4	66.9	72.6	77.3	79.7	81.5	83.2	84.9	84.9	85.6	85.6	85.7	86.1
GE 3500	13.5	42.8	51.5	58.6	68.2	73.9	78.6	81.1	83.0	84.7	86.4	86.4	87.1	87.1	87.2	87.6
GE 3000	13.6	43.1	52.4	59.7	69.7	76.0	80.8	83.5	85.5	87.3	89.0	89.0	89.8	89.8	89.9	90.3
GE 2500	13.6	43.4	52.8	60.2	70.5	76.8	81.5	84.3	86.2	88.1	89.8	89.8	90.6	90.6	90.7	91.1
GE 2000	13.6	43.4	52.9	60.3	70.8	77.1	82.0	84.7	86.6	88.5	90.2	90.2	91.0	91.0	91.1	91.5
GE 1800	13.6	43.5	53.1	60.5	71.1	77.4	82.3	85.0	87.0	88.8	90.6	90.6	91.3	91.3	91.4	91.9
GE 1500	13.6	43.5	53.1	60.6	71.6	77.9	82.8	85.7	87.6	89.5	91.2	91.2	92.0	92.0	92.1	92.5
GE 1200	13.6	43.5	53.1	60.7	71.8	78.1	83.1	85.9	87.8	89.7	91.4	91.4	92.2	92.2	92.3	92.7
GE 1000	13.6	43.9	53.5	61.6	73.0	79.3	84.4	87.4	89.4	91.2	92.9	92.9	93.7	93.7	93.8	94.2
GE 900	13.6	43.9	53.5	61.6	73.0	79.3	84.4	87.4	89.4	91.4	93.2	93.2	93.9	93.9	94.0	94.5
GE 800	13.6	43.9	53.5	61.6	73.2	79.8	85.0	88.1	90.0	92.3	94.0	94.0	94.8	94.8	94.9	95.3
GE 700	13.7	44.0	53.7	62.0	73.6	80.2	85.7	88.7	90.7	92.9	94.7	94.7	95.4	95.4	95.5	96.0
GE 600	13.7	44.0	53.7	62.0	73.6	80.3	85.8	88.8	90.8	93.1	95.0	95.0	95.8	95.8	95.9	96.3
GE 500	13.7	44.0	53.7	62.0	73.9	80.8	86.3	89.8	91.9	94.1	96.2	96.2	97.0	97.0	97.1	97.5
GE 400	13.7	44.0	53.7	62.0	73.9	80.8	86.3	89.9	92.0	94.4	96.4	96.4	97.3	97.3	97.5	97.9
GE 300	13.7	44.0	53.7	62.0	73.9	80.8	86.5	90.1	92.2	94.7	96.9	97.0	97.8	97.9	98.2	99.0
GE 200	13.7	44.0	53.7	62.0	73.9	80.8	86.5	90.1	92.2	94.8	97.0	97.1	97.9	98.3	98.8	99.7
GE 100	13.7	44.0	53.7	62.0	73.9	80.8	86.5	90.1	92.2	94.8	97.0	97.1	97.9	98.3	98.8	99.9
GE 0	13.7	44.0	53.7	62.0	73.9	80.8	86.5	90.1	92.2	94.8	97.0	97.1	97.9	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG NO:JRS(LST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	15.2	41.4	45.5	48.4	50.3	50.9	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
GE 20000	16.9	47.1	52.0	55.7	59.0	59.9	60.3	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	
GE 18000	17.2	47.4	52.3	56.0	59.3	60.3	60.6	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	
GE 16000	17.2	47.4	52.3	56.0	59.3	60.3	60.6	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	
GE 14000	17.2	47.4	52.7	56.5	59.8	60.8	61.1	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
GE 12000	17.3	48.9	54.3	58.3	61.8	62.8	63.1	63.3	63.3	63.5	63.5	63.5	63.6	63.6	63.6	63.6	
GE 10000	18.3	53.0	59.2	63.5	67.6	68.7	69.1	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7	
GE 9000	18.3	53.2	59.7	64.1	68.5	69.6	69.9	70.2	70.2	70.5	70.5	70.5	70.6	70.6	70.6	70.6	
GE 8000	18.7	56.0	63.0	67.9	72.5	73.6	73.9	74.3	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.6	
GE 7000	18.7	56.1	63.1	68.0	72.7	73.8	74.2	74.5	74.5	74.7	74.7	74.7	74.8	74.8	74.8	74.8	
GE 6000	18.7	56.2	63.2	68.2	73.2	74.4	74.7	75.0	75.0	75.2	75.2	75.2	75.4	75.4	75.4	75.4	
GE 5000	18.8	57.0	64.7	69.9	75.4	76.5	76.9	77.2	77.2	77.4	77.4	77.4	77.5	77.5	77.5	77.5	
GE 4500	19.0	57.7	65.4	70.7	76.1	77.3	77.6	78.0	78.0	78.3	78.3	78.3	78.4	78.4	78.4	78.4	
GE 4000	19.2	59.2	67.5	73.9	79.7	81.0	81.8	82.1	82.1	82.4	82.4	82.4	82.5	82.5	82.5	82.5	
GE 3500	19.4	60.0	68.4	74.9	80.9	82.3	83.1	83.4	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8	
GE 3000	19.4	61.7	70.6	77.7	84.5	85.9	86.9	87.2	87.3	87.6	87.7	87.7	87.8	87.8	87.8	87.8	
GE 2500	19.7	62.0	71.0	78.3	85.1	86.5	87.5	87.8	87.9	88.3	88.4	88.4	88.5	88.5	88.5	88.5	
GE 2000	20.0	62.4	71.4	78.7	85.7	87.1	88.1	88.4	88.5	88.8	88.9	88.9	89.0	89.0	89.0	89.0	
GE 1900	20.0	62.6	71.7	78.9	86.0	87.4	88.4	88.7	88.8	89.1	89.3	89.3	89.4	89.4	89.4	89.4	
GE 1500	20.1	63.8	73.2	81.0	88.7	90.2	91.3	91.6	91.7	92.1	92.3	92.3	92.4	92.4	92.4	92.4	
GE 1200	20.2	64.1	73.5	81.5	89.8	91.3	92.5	93.1	93.2	93.5	93.9	93.9	94.0	94.0	94.0	94.0	
GE 1000	20.2	64.3	73.7	81.9	90.2	91.7	93.3	93.8	93.9	94.4	94.8	94.8	94.9	94.9	94.9	94.9	
GE 900	20.2	64.7	74.3	82.5	90.9	92.5	94.0	94.6	94.7	95.1	95.5	95.5	95.7	95.7	95.7	95.7	
GE 800	20.3	65.1	74.7	83.3	92.2	94.0	95.7	96.2	96.3	96.7	97.2	97.2	97.3	97.3	97.3	97.3	
GE 700	20.4	65.3	74.9	83.5	92.5	94.4	96.0	96.5	96.6	97.1	97.5	97.5	97.7	97.7	97.7	97.7	
GE 600	20.4	65.3	75.0	83.7	92.7	94.6	96.3	96.9	97.0	97.4	97.8	97.8	98.0	98.0	98.0	98.0	
GE 500	20.4	65.3	75.0	83.7	93.2	95.0	96.9	97.5	97.6	98.2	98.7	98.7	98.9	98.9	98.9	98.9	
GE 400	20.4	65.3	75.0	83.7	93.3	95.2	97.4	98.0	98.3	98.8	99.3	99.3	99.6	99.7	99.7	99.7	
GE 300	20.4	65.3	75.0	83.7	93.3	95.2	97.4	98.3	98.5	99.0	99.6	99.6	99.8	100.0	100.0	100.0	
GE 200	20.4	65.3	75.0	83.7	93.3	95.2	97.4	98.3	98.5	99.0	99.6	99.6	99.8	100.0	100.0	100.0	
GE 100	20.4	65.3	75.0	83.7	93.3	95.2	97.4	98.3	98.5	99.0	99.6	99.6	99.8	100.0	100.0	100.0	
GE 0	20.4	65.3	75.0	83.7	93.3	95.2	97.4	98.3	98.5	99.0	99.6	99.6	99.8	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 921



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	18.5	44.2	46.8	48.8	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 20000	21.5	53.4	57.2	59.8	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 18000	21.5	53.4	57.2	59.8	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 16000	21.5	53.4	57.2	59.8	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 14000	22.0	54.2	58.0	61.1	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 12000	22.9	57.0	61.2	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 10000	23.8	60.0	64.7	67.9	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 9000	24.2	60.9	65.7	68.9	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 8000	25.5	64.9	69.7	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 7000	25.9	66.2	71.0	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 6000	26.0	66.6	71.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 5000	26.0	68.2	74.2	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 4500	26.0	68.6	74.7	78.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 4000	26.6	71.5	78.6	83.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3500	27.1	73.3	80.5	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 3000	27.6	76.5	84.8	90.7	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 2500	27.7	77.0	85.7	91.7	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	27.9	77.9	86.8	93.3	94.5	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1800	27.9	77.9	86.8	93.3	94.5	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1500	28.0	78.9	87.9	95.0	96.5	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200	28.0	79.3	88.4	95.5	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	28.0	79.3	88.5	95.7	97.7	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	28.0	79.3	88.6	95.8	97.9	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	28.2	79.8	89.1	96.4	98.6	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	28.2	79.8	89.1	96.4	98.6	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	28.2	79.8	89.1	96.4	98.6	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	28.2	79.8	89.2	96.5	98.7	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	28.2	79.8	89.2	96.5	98.7	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	28.2	79.8	89.2	96.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	28.2	79.8	89.2	96.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	28.2	79.8	89.2	96.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	28.2	79.8	89.2	96.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.1	47.6	51.7	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 20000	25.1	58.1	63.6	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 18000	25.3	58.3	64.1	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 16000	25.3	58.3	64.1	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 14000	25.6	59.3	65.0	67.6	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 12000	26.5	61.3	67.5	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 10000	27.1	63.6	70.3	73.1	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 9000	27.9	65.3	72.1	74.9	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 8000	29.5	69.7	77.1	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 7000	29.5	70.3	77.8	80.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 6000	29.5	70.8	78.6	81.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 5000	29.8	72.7	81.0	84.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 4500	29.8	73.1	81.5	85.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 4000	30.5	75.5	85.1	89.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 3500	30.9	76.3	85.8	90.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3000	31.5	78.8	88.6	93.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2500	31.5	79.7	89.5	94.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	31.5	80.3	90.3	95.2	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	31.5	80.3	90.5	95.5	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	31.5	80.5	90.7	95.8	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	31.5	80.7	91.0	96.1	98.7	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	31.5	80.7	91.0	96.1	98.8	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	31.5	80.9	91.2	96.3	99.0	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	31.5	80.9	91.3	96.4	99.1	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	31.5	80.9	91.3	96.4	99.1	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	31.5	80.9	91.3	96.4	99.1	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	31.5	80.9	91.3	96.4	99.1	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	31.5	80.9	91.3	96.4	99.1	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	31.5	80.9	91.3	96.4	99.1	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	31.5	80.9	91.3	96.4	99.1	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	31.5	80.9	91.3	96.4	99.1	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	31.5	80.9	91.3	96.4	99.1	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	23.3	52.9	57.6	60.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 20000	26.0	61.1	67.1	70.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 18000	26.1	61.2	67.2	70.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 16000	26.1	61.4	67.4	70.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 14000	26.1	62.0	68.1	71.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 12000	26.6	64.2	70.5	74.1	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 10000	27.3	67.6	74.2	77.9	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 9000	27.3	67.8	74.4	78.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 8000	28.0	70.8	77.9	82.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 7000	28.0	71.4	78.4	82.9	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 6000	28.0	71.7	79.3	83.8	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 5000	28.0	72.7	80.7	85.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 4500	28.0	72.8	80.9	85.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 4000	28.3	74.5	83.0	88.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3500	28.5	75.4	84.2	90.2	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3000	29.1	76.9	86.1	92.2	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2500	29.1	77.1	86.3	92.5	97.5	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	29.2	77.2	86.6	93.1	98.3	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	29.2	77.3	86.8	93.4	98.5	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
GE 1600	29.2	77.6	87.1	93.7	98.8	99.1	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
GE 1400	29.2	77.6	87.1	93.7	98.8	99.1	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
GE 1200	29.2	77.6	87.3	93.8	98.9	99.2	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 1000	29.2	77.6	87.3	93.8	98.9	99.2	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 900	29.2	77.8	87.5	94.0	99.1	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 800	29.2	77.8	87.5	94.0	99.1	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 700	29.2	77.8	87.5	94.0	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 600	29.2	77.8	87.5	94.0	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	29.2	77.8	87.5	94.0	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	29.2	77.8	87.5	94.0	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	29.2	77.8	87.5	94.0	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	29.2	77.8	87.5	94.0	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	29.2	77.8	87.5	94.0	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	29.2	77.8	87.5	94.0	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 2100-2300

CEILING IN FEET	1	FL 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	VISIBILITY IN STATUTE MILES										GE 1/4	GE 0
								GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	24.6		52.2	57.8	61.0	65.3	65.6	65.8	65.8	65.8	65.8	65.8	65.6	65.8	65.8	65.8	65.8		
GE 20000	26.6		59.2	65.3	69.4	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7		
GE 18000	26.6		59.3	65.4	69.5	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8		
GE 16000	26.6		59.5	65.6	69.7	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0		
GE 14000	26.7		60.4	66.5	70.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2		
GE 12000	26.9		62.5	68.7	73.5	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0		
GE 10000	27.2		65.6	72.0	76.9	82.2	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0		
GE 9000	27.2		65.8	72.2	77.1	82.4	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2		
GE 8000	27.7		67.7	74.6	79.5	84.8	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6		
GE 7000	27.7		68.0	74.9	79.6	85.2	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0		
GE 6000	27.7		68.0	75.0	80.2	85.6	86.2	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8		
GE 5000	28.4		70.2	78.2	83.8	89.2	89.7	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5		
GE 4500	28.6		70.8	78.8	84.4	90.0	90.6	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4		
GE 4000	29.0		72.0	80.2	85.7	91.4	92.1	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9		
GE 3500	29.0		72.5	80.9	86.5	92.3	93.0	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8		
GE 3000	29.8		74.3	82.8	88.8	95.5	96.3	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2		
GE 2500	29.9		74.7	83.3	89.3	96.5	97.4	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4		
GE 2000	30.3		75.4	84.0	90.0	97.2	98.0	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0		
GE 1800	30.3		75.4	84.0	90.0	97.2	98.0	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0		
GE 1600	30.3		75.6	84.2	90.2	97.4	98.3	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE 1400	30.3		75.6	84.3	90.3	97.7	98.6	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6		
GE 1200	30.3		75.6	84.3	90.3	97.7	98.6	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6		
GE 1000	30.3		75.6	84.5	90.5	97.9	98.8	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8		
GE 800	30.3		75.7	84.6	90.6	98.1	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 600	30.3		75.7	84.6	90.6	98.1	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 400	30.3		75.7	84.6	90.6	98.1	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 200	30.3		75.7	84.6	90.6	98.1	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 100	30.3		75.7	84.6	90.6	98.1	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 0	30.3		75.7	84.6	90.6	98.1	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	19.2	45.1	49.5	52.6	55.4	56.1	56.7	56.9	57.1	57.3	57.4	57.4	57.5	57.5	57.5	57.6
GE 20000	21.2	51.6	56.8	60.6	64.1	65.1	65.9	66.2	66.4	66.7	66.8	66.8	66.9	66.9	66.9	67.1
GE 18000	21.3	51.7	57.0	60.7	64.3	65.3	66.0	66.4	66.6	66.8	67.0	67.0	67.0	67.1	67.1	67.2
GE 16000	21.3	51.8	57.0	60.8	64.3	65.3	66.1	66.4	66.6	66.9	67.0	67.0	67.1	67.1	67.2	67.3
GE 14000	21.5	52.5	57.8	61.7	65.3	66.3	67.1	67.4	67.6	67.9	68.0	68.0	68.1	68.1	68.2	68.3
GE 12000	21.9	54.3	59.8	63.9	67.6	68.7	69.5	69.9	70.1	70.3	70.5	70.5	70.6	70.6	70.7	70.8
GE 10000	22.5	57.3	63.4	67.9	71.9	73.1	74.0	74.5	74.7	74.9	75.1	75.1	75.2	75.2	75.3	75.4
GE 9000	22.7	57.8	64.1	68.6	72.7	73.9	74.8	75.3	75.5	75.7	75.9	75.9	76.0	76.0	76.1	76.2
GE 8000	23.4	60.5	67.2	72.1	76.4	77.7	78.7	79.1	79.3	79.6	79.8	79.8	79.9	79.9	80.0	80.1
GE 7000	23.5	60.9	67.6	72.5	76.9	78.3	79.2	79.7	79.9	80.2	80.4	80.4	80.5	80.5	80.5	80.7
GE 6000	23.5	61.2	68.2	73.1	77.6	79.0	80.1	80.5	80.8	81.0	81.2	81.2	81.4	81.4	81.4	81.5
GE 5000	23.7	62.6	70.2	75.5	80.3	81.7	82.9	83.4	83.6	83.9	84.1	84.1	84.2	84.3	84.3	84.4
GE 4500	23.8	63.2	70.9	76.3	81.2	82.6	83.8	84.4	84.6	84.9	85.1	85.1	85.2	85.2	85.3	85.4
GE 4000	24.3	65.0	73.3	79.2	84.2	85.8	87.1	87.7	87.9	88.2	88.4	88.4	88.6	88.6	88.6	88.7
GE 3500	24.5	66.0	74.4	80.5	85.7	87.3	88.6	89.2	89.4	89.8	90.0	90.0	90.1	90.1	90.2	90.3
GE 3000	24.9	67.7	76.5	83.0	88.9	90.6	92.0	92.6	92.9	93.2	93.5	93.5	93.6	93.6	93.7	93.8
GE 2500	25.0	68.1	77.1	83.7	89.7	91.5	92.9	93.6	93.9	94.2	94.5	94.5	94.6	94.6	94.6	94.8
GE 2000	25.1	68.6	77.6	84.3	90.4	92.2	93.7	94.4	94.6	95.0	95.2	95.2	95.3	95.4	95.4	95.5
GE 1800	25.1	68.6	77.7	84.5	90.6	92.3	93.9	94.5	94.8	95.1	95.4	95.4	95.5	95.6	95.6	95.7
GE 1500	25.1	69.0	78.2	85.1	91.5	93.2	94.8	95.5	95.8	96.1	96.4	96.4	96.5	96.5	96.6	96.7
GE 1200	25.2	69.2	78.4	85.4	91.9	93.6	95.3	95.9	96.2	96.6	96.9	96.9	97.0	97.0	97.1	97.2
GE 1000	25.2	69.3	78.6	85.6	92.3	94.0	95.7	96.5	96.8	97.1	97.4	97.4	97.5	97.6	97.6	97.7
GE 900	25.2	69.4	78.7	85.7	92.4	94.2	95.9	96.6	96.9	97.3	97.6	97.6	97.7	97.8	97.8	97.9
GE 800	25.2	69.5	78.9	86.0	92.8	94.7	96.4	97.2	97.4	97.9	98.2	98.2	98.3	98.3	98.4	98.5
GE 700	25.2	69.6	79.0	86.1	93.0	94.8	96.6	97.4	97.6	98.1	98.4	98.4	98.5	98.5	98.6	98.7
GE 600	25.2	69.6	79.0	86.1	93.0	94.9	96.7	97.5	97.8	98.2	98.5	98.5	98.7	98.7	98.7	98.8
GE 500	25.2	69.6	79.0	86.2	93.2	95.2	97.0	97.8	98.1	98.5	98.9	98.9	99.0	99.1	99.1	99.2
GE 400	25.2	69.6	79.1	86.3	93.3	95.3	97.2	98.0	98.3	98.7	99.1	99.1	99.3	99.3	99.4	99.5
GE 300	25.2	69.6	79.1	86.3	93.3	95.3	97.2	98.1	98.4	98.9	99.3	99.3	99.4	99.5	99.6	99.8
GE 200	25.2	69.6	79.1	86.3	93.3	95.3	97.2	98.1	98.4	98.9	99.3	99.3	99.4	99.5	99.6	99.9
GE 100	25.2	69.6	79.1	86.3	93.3	95.3	97.2	98.1	98.4	98.9	99.3	99.3	99.5	99.6	99.7	100.0
GE 0	25.2	69.6	79.1	86.3	93.3	95.3	97.2	98.1	98.4	98.9	99.3	99.3	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7354

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS/LSST: 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	27.3	55.3	59.4	62.1	64.0	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5
GE 20000	28.5	59.3	63.5	66.9	69.0	69.0	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
GE 18000	28.5	59.3	63.5	66.9	69.0	69.0	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
GE 16000	28.5	59.3	63.5	67.0	69.1	69.1	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7
GE 14000	28.9	59.8	64.2	68.0	70.1	70.1	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
GE 12000	29.6	61.3	65.9	69.8	71.9	71.9	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5
GE 10000	30.9	65.2	69.8	74.2	76.3	76.3	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8
GE 9000	31.0	65.5	70.1	74.5	76.6	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
GE 8000	31.3	67.4	72.3	77.2	79.4	79.4	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0
GE 7000	31.9	69.5	74.3	79.2	81.5	81.5	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
GE 6000	32.4	70.6	75.4	80.4	82.9	82.9	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4
GE 5000	33.9	73.5	78.3	83.3	85.8	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5
GE 4500	34.0	74.3	79.1	84.1	86.7	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.4
GE 4000	34.5	75.5	80.3	85.3	87.9	88.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6
GE 3500	34.8	76.5	82.0	87.2	89.8	89.9	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5
GE 3000	35.0	77.3	82.8	88.4	91.2	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9
GE 2500	35.0	77.5	83.1	88.7	91.9	92.2	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8
GE 2000	35.0	77.5	83.1	88.7	92.4	92.6	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3
GE 1800	35.0	77.5	83.1	88.7	92.4	92.6	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3
GE 1500	35.0	77.5	83.1	89.0	92.8	93.1	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7
GE 1200	35.0	78.2	83.9	90.0	94.0	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
GE 1000	35.2	78.6	84.3	90.7	94.7	95.2	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2
GE 900	35.2	78.7	84.5	90.8	94.9	95.3	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3
GE 800	35.2	78.9	84.7	91.1	95.1	95.5	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6
GE 700	35.2	78.9	84.7	91.3	95.3	95.7	96.6	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.4
GE 600	35.2	78.9	84.7	91.3	95.5	96.0	96.9	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.7
GE 500	35.2	78.9	84.7	91.3	95.9	96.3	97.2	97.7	97.8	97.9	97.9	97.9	97.9	97.9	98.0
GE 400	35.2	79.0	84.8	91.4	96.3	96.8	97.8	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.7
GE 300	35.2	79.0	85.0	91.6	96.8	97.2	98.2	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.1
GE 200	35.2	79.0	85.0	91.6	96.9	97.7	98.7	99.1	99.2	99.3	99.3	99.3	99.3	99.6	99.7
GE 100	35.2	79.0	85.0	91.6	96.9	97.7	98.7	99.1	99.2	99.4	99.4	99.4	99.7	99.7	99.9
GE CI	35.2	79.0	85.0	91.6	96.9	97.7	98.7	99.1	99.2	99.4	99.4	99.4	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	23.6	49.2	53.1	57.3	60.6	61.2	62.4	62.6	62.8	63.2	63.4	63.5	63.6	63.8	64.1
GE 20000	23.7	51.2	56.0	60.5	64.3	64.9	66.2	66.4	66.6	67.0	67.2	67.3	67.6	67.7	68.0
GE 18000	23.7	51.2	56.0	60.5	64.3	64.9	66.2	66.4	66.6	67.0	67.2	67.3	67.6	67.7	68.0
GE 16000	23.7	51.2	56.0	60.5	64.3	64.9	66.2	66.4	66.6	67.0	67.2	67.3	67.6	67.7	68.0
GE 14000	24.0	51.6	56.6	61.2	65.0	65.5	66.9	67.1	67.2	67.7	67.9	68.0	68.2	68.3	68.7
GE 12000	24.3	52.6	57.8	62.5	66.3	66.9	68.3	68.6	68.7	69.1	69.4	69.5	69.7	69.8	70.1
GE 10000	25.1	56.0	61.5	66.6	70.7	71.3	72.7	72.9	73.0	73.5	73.7	73.8	74.0	74.2	74.5
GE 9000	25.1	56.2	61.6	66.7	70.8	71.4	72.8	73.0	73.2	73.6	73.8	73.9	74.2	74.3	74.6
GE 8000	25.4	58.1	64.0	69.2	73.5	74.0	75.5	75.7	75.8	76.3	76.5	76.6	76.8	77.0	77.3
GE 7000	26.1	59.8	65.8	71.0	75.3	76.0	77.4	77.6	77.7	78.2	78.4	78.5	78.7	78.9	79.2
GE 6000	26.6	61.4	67.7	73.0	77.4	78.1	79.6	79.9	80.0	80.5	80.8	80.9	81.1	81.2	81.5
GE 5000	27.2	63.5	70.0	75.6	80.1	80.9	82.4	82.8	82.9	83.4	83.7	83.8	84.0	84.1	84.5
GE 4500	27.2	64.1	70.6	76.3	80.8	81.5	83.1	83.6	83.7	84.2	84.5	84.6	84.8	84.9	85.2
GE 4000	27.5	65.4	72.3	78.0	82.8	83.7	85.3	85.8	85.9	86.5	86.7	86.8	87.0	87.1	87.5
GE 3500	27.7	66.1	73.0	78.7	83.7	84.6	86.2	86.8	86.9	87.5	87.7	87.8	88.0	88.1	88.5
GE 3000	27.9	68.1	75.1	80.8	85.9	86.9	88.6	89.1	89.3	89.8	90.0	90.2	90.4	90.5	90.8
GE 2500	27.9	68.3	75.4	81.1	86.6	87.6	89.3	89.8	89.9	90.5	90.7	90.8	91.1	91.2	91.5
GE 2000	27.9	68.6	75.6	81.7	87.4	88.4	90.2	90.7	90.8	91.4	91.6	91.7	91.9	92.1	92.4
GE 1800	27.9	68.7	75.8	81.9	87.7	88.7	90.5	91.1	91.2	91.7	91.9	92.1	92.3	92.4	92.7
GE 1500	27.9	68.9	76.3	82.3	88.5	89.6	91.4	91.9	92.1	92.6	92.8	93.0	93.2	93.3	93.6
GE 1200	28.0	69.1	76.5	82.7	88.9	90.0	91.8	92.4	92.5	93.1	93.3	93.4	93.6	93.7	94.1
GE 1000	28.2	69.4	76.8	83.0	89.4	90.5	92.4	93.0	93.1	93.6	93.8	94.0	94.2	94.3	94.6
GE 900	28.2	69.4	76.8	83.0	89.4	90.5	92.4	93.0	93.1	93.6	93.8	94.0	94.2	94.3	94.6
GE 800	28.2	69.4	76.8	83.0	89.5	90.6	92.5	93.1	93.2	93.7	94.0	94.1	94.3	94.4	94.7
GE 700	28.2	69.4	77.1	83.2	89.8	90.9	92.8	93.4	93.5	94.4	94.6	94.7	95.0	95.1	95.5
GE 600	28.2	69.5	77.2	83.3	89.9	91.2	93.1	93.6	93.7	94.6	94.9	95.0	95.2	95.3	95.6
GE 500	28.2	69.6	77.3	83.4	90.3	91.7	93.6	94.2	94.3	95.2	95.4	95.5	95.7	95.9	96.2
GE 400	28.2	69.8	77.5	83.7	90.6	92.1	94.1	94.7	94.9	95.7	96.0	96.1	96.3	96.4	96.8
GE 300	28.2	70.0	77.7	83.9	90.8	92.3	94.6	95.5	95.9	96.9	97.2	97.4	97.7	97.8	98.1
GE 200	28.2	70.0	77.7	83.9	91.1	92.5	95.0	96.4	96.8	97.8	98.1	98.5	98.8	99.0	99.3
GE 100	28.2	70.0	77.7	83.9	91.1	92.5	95.0	96.4	96.8	97.8	98.1	98.5	98.8	99.0	99.3
GE 71	28.2	70.0	77.7	83.9	91.1	92.5	95.0	96.4	96.8	97.8	98.1	98.5	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	14.5	37.0	42.8	46.6	50.7	52.5	54.0	55.5	56.8	58.2	59.4	59.5	59.8	60.1	60.4	60.5		
GE 20000	15.2	40.9	47.2	51.2	55.8	57.8	59.5	61.1	62.4	63.8	65.0	65.1	65.4	65.7	66.0	66.1		
GE 18000	15.2	41.1	47.3	51.3	55.9	57.9	59.6	61.2	62.5	63.9	65.1	65.2	65.5	65.8	66.1	66.2		
GE 16000	15.2	41.1	47.3	51.3	55.9	57.9	59.6	61.2	62.5	63.9	65.1	65.2	65.5	65.8	66.1	66.2		
GE 14000	15.2	41.2	47.4	51.5	56.0	58.1	59.7	61.4	62.8	64.1	65.3	65.4	65.8	66.0	66.3	66.4		
GE 12000	15.2	41.7	48.0	52.1	56.8	58.8	60.5	62.2	63.5	64.9	66.1	66.2	66.6	66.8	67.1	67.2		
GE 10000	15.9	44.7	51.6	55.8	60.6	62.8	64.5	66.2	67.6	68.9	70.1	70.2	70.6	70.8	71.1	71.3		
GE 9000	15.9	45.1	52.0	56.4	61.2	63.5	65.3	67.0	68.3	69.7	70.9	71.0	71.4	71.6	71.9	72.0		
GE 8000	17.0	47.7	54.6	59.2	64.3	66.7	68.5	70.1	71.5	72.8	74.0	74.2	74.5	74.7	75.1	75.2		
GE 7000	17.3	48.9	55.8	60.6	65.8	68.1	69.9	71.6	72.9	74.3	75.5	75.6	76.0	76.2	76.5	76.6		
GE 6000	17.7	49.7	56.6	61.6	66.9	69.5	71.3	72.9	74.3	75.6	76.8	77.0	77.3	77.5	77.9	78.0		
GE 5000	18.5	51.1	58.6	64.4	69.9	72.6	74.4	76.3	77.6	79.0	80.2	80.3	80.6	80.9	81.2	81.3		
GE 4500	18.7	51.7	59.2	65.0	70.7	73.6	75.4	77.3	78.6	80.0	81.2	81.3	81.7	81.9	82.2	82.3		
GE 4000	18.9	52.8	60.3	66.2	72.4	75.6	77.4	79.4	80.8	82.1	83.3	83.4	83.8	84.0	84.3	84.5		
GE 3500	19.0	53.4	61.2	67.1	73.4	76.6	78.5	80.5	81.9	83.2	84.5	84.6	84.9	85.1	85.5	85.6		
GE 3000	19.2	54.4	62.2	68.5	75.2	78.5	80.8	82.8	84.1	85.5	86.8	86.9	87.2	87.5	87.8	87.9		
GE 2500	19.4	54.6	62.4	68.9	75.7	79.2	81.5	83.6	84.9	86.2	87.6	87.7	88.0	88.3	88.6	88.7		
GE 2000	19.4	55.0	62.9	69.4	76.4	80.1	82.6	84.7	86.0	87.4	88.7	88.8	89.1	89.4	89.7	89.8		
GE 1800	19.4	55.0	62.9	69.4	76.4	80.1	82.6	84.7	86.0	87.4	88.7	88.8	89.1	89.4	89.7	89.8		
GE 1500	19.4	55.7	63.5	70.1	77.3	81.0	83.4	85.6	86.9	88.3	89.6	89.7	90.0	90.3	90.6	90.7		
GE 1200	19.4	56.2	64.0	70.7	78.0	81.7	84.1	86.2	87.6	88.9	90.3	90.4	90.7	90.9	91.3	91.4		
GE 1000	19.4	56.5	64.4	71.1	78.5	82.2	84.8	86.9	88.3	89.6	90.9	91.1	91.4	91.6	91.9	92.1		
GE 900	19.4	56.5	64.4	71.3	78.7	82.6	85.1	87.2	88.6	89.9	91.3	91.4	91.7	91.9	92.3	92.4		
GE 800	19.4	56.7	64.7	71.6	79.3	83.1	85.7	87.8	89.1	90.5	91.8	91.9	92.3	92.5	92.8	93.0		
GE 700	19.4	56.9	64.9	71.8	79.6	83.4	86.0	88.3	89.7	91.1	92.5	92.6	93.0	93.2	93.5	93.6		
GE 600	19.4	57.0	65.0	71.9	79.9	83.8	86.4	88.6	90.0	91.4	93.0	93.1	93.4	93.6	94.0	94.1		
GE 500	19.4	57.2	65.2	72.5	80.5	84.5	87.0	89.5	90.9	92.4	94.1	94.2	94.6	95.0	95.4	95.5		
GE 400	19.4	57.2	65.2	72.6	80.6	84.8	87.5	90.6	92.1	93.7	95.5	95.6	96.1	96.4	96.9	97.0		
GE 300	19.4	57.4	65.4	72.8	80.9	85.0	87.7	90.8	92.4	94.2	96.2	96.3	96.8	97.1	97.9	98.0		
GE 200	19.4	57.4	65.4	72.8	80.9	85.0	87.7	90.8	92.4	94.2	96.2	96.3	96.8	97.2	97.5	98.9		
GE 100	19.4	57.4	65.4	72.8	80.9	85.0	87.7	90.8	92.4	94.2	96.3	96.4	97.3	97.7	98.9	99.9		
GE 0	19.4	57.4	65.4	72.8	80.9	85.0	87.7	90.8	92.4	94.2	96.3	96.4	97.3	97.7	98.9	100.0		

TOTAL NUMBER OF OBSERVATIONS: 894



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86

MONTH: SEP

HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	15.7	47.5	50.7	52.8	54.1	55.1	56.0	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.9	56.9
GE 20000	16.1	53.5	56.9	59.5	61.2	62.3	63.2	63.7	63.7	63.8	63.8	63.8	63.8	63.8	64.1	64.1
GE 18000	16.2	53.7	57.1	59.7	61.4	62.5	63.4	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.3	64.3
GE 16000	16.2	53.7	57.1	59.7	61.4	62.5	63.4	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.3	64.3
GE 14000	16.5	54.0	57.5	60.0	61.7	62.8	63.8	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.7	64.7
GE 12000	16.9	54.6	58.0	60.8	62.7	63.8	64.8	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.7	65.7
GE 10000	20.1	58.0	61.6	65.0	67.0	68.1	69.1	69.6	69.6	69.8	69.8	69.8	69.8	69.8	70.0	70.0
GE 9000	20.1	58.4	61.9	65.3	67.5	68.6	69.6	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.5	70.5
GE 8000	20.5	60.8	64.6	68.0	70.3	71.5	72.5	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.4	73.4
GE 7000	20.6	61.4	65.2	68.5	70.9	72.1	73.1	73.7	73.7	73.8	73.8	73.8	73.8	73.8	74.0	74.0
GE 6000	20.9	61.8	65.6	69.3	71.7	72.9	73.9	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.8	74.8
GE 5000	21.4	63.2	67.1	71.1	73.9	75.1	76.1	76.7	76.7	76.8	76.8	76.8	76.8	76.8	77.0	77.0
GE 4500	21.7	63.7	67.7	71.8	74.8	76.0	77.0	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.9	77.9
GE 4000	21.7	64.6	68.9	73.3	76.6	77.8	78.8	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.7	79.7
GE 3500	21.7	65.0	69.3	73.8	77.1	78.3	79.4	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.4	80.4
GE 3000	21.9	67.4	72.1	77.0	80.7	81.9	83.0	83.7	83.7	83.8	83.9	83.8	83.8	83.8	84.0	84.0
GE 2500	22.0	68.6	73.4	78.3	82.1	83.4	84.5	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.5	85.5
GE 2000	22.2	69.6	74.6	79.6	83.8	85.2	86.3	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.3	87.3
GE 1800	22.2	69.6	74.6	79.7	83.9	85.4	86.5	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.5	87.5
GE 1500	22.2	71.2	76.2	81.8	86.2	87.6	88.7	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.7	89.7
GE 1200	22.4	73.0	78.2	83.9	88.3	89.7	91.0	91.6	91.6	91.7	91.7	91.7	91.7	91.7	92.0	92.0
GE 1000	22.5	73.8	79.1	85.2	89.7	91.2	92.4	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.5	93.5
GE 900	22.5	74.1	79.7	85.7	90.4	92.0	93.3	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.4	94.4
GE 800	22.5	74.2	80.0	86.4	91.3	92.9	94.3	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.9	95.9
GE 700	22.5	74.7	80.5	86.9	92.1	93.8	95.2	96.3	96.3	96.4	96.5	96.5	96.5	96.5	96.8	96.8
GE 600	22.5	74.7	80.5	86.9	92.2	94.3	95.8	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.3	97.3
GE 500	22.5	74.7	80.6	87.2	92.4	94.9	96.4	97.7	97.7	97.8	97.9	97.9	97.9	97.9	98.1	98.1
GE 400	22.5	74.8	80.7	87.3	92.6	95.3	97.0	98.3	98.4	98.5	98.7	98.7	98.7	98.7	98.9	98.9
GE 300	22.5	74.9	80.8	87.4	92.7	95.5	97.2	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.4	99.4
GE 200	22.5	74.9	80.8	87.4	92.7	95.5	97.2	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.8	99.8
GE 100	22.5	74.9	80.8	87.4	92.7	95.5	97.2	98.7	98.8	98.9	99.1	99.1	99.1	99.1	100.0	100.0
GE 0	22.5	74.9	80.8	87.4	92.7	95.5	97.2	98.7	98.8	98.9	99.1	99.1	99.1	99.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
FEET																	
NO CEIL	20.1	48.5	50.3	51.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 20000	23.1	56.4	58.6	60.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 18000	23.2	56.6	58.9	60.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 16000	23.2	56.6	58.9	60.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 14000	23.5	57.2	59.4	61.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 12000	24.0	58.6	61.1	62.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 10000	24.9	61.4	64.2	66.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 9000	25.0	61.9	64.8	66.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 8000	25.8	65.0	68.1	70.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 7000	26.0	65.4	68.7	70.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 6000	26.2	66.0	69.3	71.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 5000	26.8	68.0	71.8	74.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4500	26.9	68.7	72.6	75.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 4000	27.3	72.0	76.6	79.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3500	27.3	73.8	78.4	80.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3000	28.3	77.8	82.6	85.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 2500	28.4	80.3	85.5	88.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2000	28.5	81.8	87.1	90.0	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1800	28.5	82.1	87.3	90.3	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1500	28.5	82.9	88.4	91.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1200	28.7	84.2	89.6	93.0	95.4	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	28.7	85.2	90.9	94.4	97.0	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	28.7	85.6	91.3	94.9	97.4	97.9	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	28.7	85.7	91.4	95.1	97.7	98.1	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	28.7	86.0	91.6	95.3	98.0	98.4	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	28.7	86.1	91.9	95.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	28.7	86.1	91.9	95.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	28.7	86.1	91.9	95.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	28.7	86.1	91.9	95.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	28.7	86.1	91.9	95.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	28.7	86.1	91.9	95.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	CI 28.7	86.1	91.9	95.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	24.6	49.9	52.7	53.3	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 20000	28.3	59.4	62.4	63.0	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 18000	28.3	59.4	62.4	63.0	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 16000	28.3	59.4	62.4	63.0	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 14000	28.8	60.5	63.5	64.1	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 12000	29.2	61.8	64.8	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 10000	30.1	65.0	68.5	69.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 9000	30.2	65.3	68.8	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 8000	30.7	68.5	72.4	73.0	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 7000	30.8	68.9	72.8	73.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 6000	31.9	70.8	74.7	75.6	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 5000	32.9	73.4	77.4	78.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 4500	33.0	74.2	78.3	79.3	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4000	34.1	78.0	82.5	83.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3500	34.3	79.9	84.4	85.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 3000	35.5	84.1	89.2	90.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2500	35.7	86.3	91.8	93.3	94.6	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 2000	35.8	87.4	93.0	94.5	96.0	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	36.0	87.6	93.2	94.8	96.2	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1500	36.1	88.5	94.5	96.1	97.5	97.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	36.2	89.1	95.1	96.7	99.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	36.2	89.3	95.8	97.5	99.1	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	36.2	89.3	95.8	97.5	99.1	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	36.2	89.3	95.8	97.5	99.1	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	36.2	89.5	96.0	97.8	99.3	99.3	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	36.2	89.6	96.1	97.9	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	36.2	89.6	96.1	97.9	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	36.2	89.6	96.1	97.9	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	36.2	89.6	96.1	97.9	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	36.2	89.6	96.1	97.9	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	36.2	89.6	96.1	97.9	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	36.2	89.6	96.1	97.9	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1/2	GE 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.8	55.9	58.6	60.2	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 20000	28.7	64.3	67.6	69.2	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 18000	28.8	64.4	67.7	69.3	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 16000	28.8	64.4	67.7	69.3	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 14000	29.2	65.1	68.3	70.3	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 12000	29.4	66.0	69.2	71.2	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 10000	31.0	69.5	73.1	75.6	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 9000	31.2	69.8	73.5	75.9	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 8000	32.0	73.0	77.3	79.7	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 7000	32.1	73.8	78.0	80.5	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 6000	33.3	76.5	80.8	83.3	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 5000	34.0	78.3	82.7	85.3	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 4500	34.4	79.3	83.7	86.4	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 4000	35.3	82.9	87.5	90.4	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 3500	35.5	83.8	88.4	91.5	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 3000	35.6	85.6	90.2	93.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 2500	35.6	86.5	91.2	94.5	95.7	95.8	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	35.6	87.4	92.1	95.4	96.5	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	35.6	87.6	92.3	95.7	96.8	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1500	35.7	88.3	93.0	96.3	97.7	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	36.0	89.1	93.8	97.1	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	36.0	89.1	93.8	97.1	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	36.0	89.1	93.8	97.1	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	36.0	89.2	93.9	97.2	98.8	98.9	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	36.0	89.2	93.9	97.2	98.8	98.9	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	36.0	89.5	94.2	97.5	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	36.0	89.5	94.2	97.5	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	36.0	89.5	94.2	97.5	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	36.0	89.5	94.2	97.5	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	36.0	89.5	94.2	97.5	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	36.0	89.5	94.2	97.5	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	36.0	89.5	94.2	97.5	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.1	59.4	62.7	63.8	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9
GE 20000	30.8	64.2	67.8	69.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.5	70.5
GE 18000	30.8	64.4	68.0	69.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7
GE 16000	30.8	64.4	68.0	69.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7
GE 14000	30.8	64.8	68.5	70.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.5	71.5
GE 12000	32.0	66.1	70.0	71.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0
GE 10000	33.6	70.0	73.9	75.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1
GE 9000	33.9	71.1	75.0	77.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.3
GE 8000	34.4	73.1	77.3	79.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7
GE 7000	34.7	75.0	79.2	81.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6
GE 6000	35.7	76.0	80.3	82.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7
GE 5000	36.0	78.0	82.5	85.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4
GE 4500	36.0	78.1	82.6	85.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5
GE 4000	36.8	80.2	84.6	87.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5
GE 3500	37.2	81.3	86.0	88.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3
GE 3000	37.8	83.1	88.7	91.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4
GE 2500	38.1	83.9	89.9	93.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8	94.8
GE 2000	38.4	84.5	90.7	94.2	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
GE 1800	39.4	84.5	90.7	94.2	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
GE 1500	39.5	84.6	91.1	94.5	96.4	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
GE 1200	38.6	84.9	91.4	94.9	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
GE 1000	39.6	85.2	91.6	95.2	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 900	39.6	85.2	91.6	95.4	97.5	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0
GE 800	39.6	85.4	91.9	95.7	97.9	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6
GE 700	38.6	85.6	92.1	96.0	98.2	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
GE 600	39.6	85.7	92.4	96.3	98.7	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
GE 500	38.6	85.8	92.5	96.5	99.0	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 400	38.6	85.8	92.5	96.5	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	39.6	85.8	92.5	96.5	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	39.6	85.8	92.5	96.5	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	39.6	85.8	92.5	96.5	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 0	39.6	85.8	92.5	96.5	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 847

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	22.6	50.3	53.8	56.0	57.7	58.2	58.7	59.0	59.2	59.4	59.6	59.6	59.7	59.7	59.8	59.9
GE 20000	24.5	56.2	60.0	62.5	64.5	65.0	65.5	65.8	66.0	66.2	66.4	66.4	66.5	66.6	66.7	66.7
GE 18000	24.6	56.3	60.1	62.6	64.6	65.1	65.6	65.9	66.1	66.3	66.5	66.6	66.6	66.7	66.8	66.8
GE 16000	24.6	56.3	60.1	62.6	64.6	65.1	65.6	65.9	66.1	66.4	66.5	66.6	66.6	66.7	66.8	66.8
GE 14000	24.9	56.8	60.7	63.3	65.3	65.8	66.3	66.7	66.8	67.1	67.3	67.3	67.4	67.4	67.5	67.6
GE 12000	25.3	57.8	61.9	64.6	66.6	67.1	67.6	68.0	68.1	68.4	68.6	68.6	68.7	68.7	68.8	68.9
GE 10000	26.4	61.2	65.5	68.5	70.6	71.1	71.7	72.0	72.2	72.5	72.6	72.7	72.7	72.8	72.9	72.9
GE 9000	26.5	61.7	66.0	69.0	71.1	71.7	72.2	72.6	72.7	73.0	73.2	73.2	73.2	73.3	73.4	73.5
GE 8000	27.1	64.2	68.8	72.0	74.2	74.8	75.3	75.7	75.8	76.1	76.3	76.3	76.4	76.4	76.5	76.6
GE 7000	27.4	65.4	70.0	73.2	75.5	76.0	76.6	76.9	77.1	77.3	77.5	77.5	77.6	77.7	77.8	77.8
GE 6000	28.1	66.6	71.3	74.7	77.0	77.5	78.1	78.5	78.6	78.9	79.1	79.1	79.2	79.2	79.3	79.4
GE 5000	28.8	68.6	73.6	77.2	79.6	80.2	80.8	81.2	81.4	81.6	81.8	81.8	81.9	81.9	82.1	82.1
GE 4500	29.0	69.3	74.2	77.9	80.4	81.0	81.6	82.0	82.2	82.4	82.6	82.6	82.7	82.7	82.9	82.9
GE 4000	29.5	71.4	76.6	80.4	83.1	83.8	84.4	84.8	84.9	85.2	85.4	85.4	85.5	85.5	85.6	85.7
GE 3500	29.7	72.5	77.8	81.7	84.5	85.2	85.8	86.2	86.4	86.7	86.9	86.9	87.0	87.0	87.1	87.2
GE 3000	30.1	74.7	80.4	84.5	87.5	88.3	88.9	89.3	89.5	89.8	90.0	90.0	90.1	90.1	90.2	90.3
GE 2500	30.3	75.8	81.6	85.8	89.0	89.8	90.5	90.9	91.1	91.4	91.6	91.6	91.7	91.7	91.9	91.9
GE 2000	30.3	76.5	82.4	86.7	90.1	90.9	91.7	92.1	92.3	92.6	92.8	92.8	92.9	92.9	93.1	93.1
GE 1900	30.4	76.6	82.5	86.8	90.3	91.1	91.9	92.3	92.5	92.6	93.0	93.0	93.1	93.1	93.2	93.3
GE 1800	30.4	77.2	83.3	87.7	91.3	92.2	93.0	93.4	93.6	93.9	94.1	94.1	94.2	94.2	94.3	94.4
GE 1700	30.5	78.0	84.1	88.6	92.3	93.2	94.0	94.5	94.7	94.9	95.1	95.2	95.2	95.3	95.4	95.5
GE 1600	30.6	78.4	84.6	89.3	93.1	94.0	94.9	95.3	95.5	95.8	96.0	96.1	96.1	96.2	96.3	96.3
GE 1500	30.6	78.5	84.7	89.5	93.3	94.2	95.1	95.6	95.8	96.1	96.3	96.3	96.4	96.4	96.6	96.6
GE 1400	30.6	78.6	84.9	89.7	93.6	94.5	95.5	96.0	96.2	96.5	96.7	96.8	96.8	96.9	97.0	97.0
GE 1300	30.6	78.8	85.1	90.0	93.9	94.9	95.8	96.4	96.6	97.0	97.2	97.3	97.3	97.4	97.5	97.5
GE 1200	30.6	78.9	85.2	90.1	94.2	95.3	96.3	96.8	97.1	97.4	97.7	97.7	97.8	97.8	97.9	98.0
GE 1100	30.6	78.9	85.3	90.3	94.5	95.6	96.6	97.2	97.4	97.8	98.1	98.1	98.2	98.2	98.4	98.4
GE 1000	30.6	79.0	85.4	90.3	94.6	95.8	96.9	97.6	97.9	98.3	98.5	98.6	98.7	98.7	98.9	98.9
GE 900	30.6	79.1	85.5	90.4	94.8	96.0	97.1	97.9	98.1	98.6	98.9	99.0	99.1	99.1	99.3	99.3
GE 800	30.6	79.1	85.5	90.4	94.8	96.1	97.2	98.0	98.3	98.7	99.1	99.1	99.3	99.4	99.7	99.7
GE 700	30.6	79.1	85.5	90.4	94.8	96.1	97.2	98.0	98.3	98.8	99.1	99.2	99.4	99.5	99.7	99.9
GE 600	30.6	79.1	85.5	90.4	94.8	96.1	97.2	98.0	98.3	98.8	99.1	99.2	99.4	99.5	99.7	99.9
GE 500	30.6	79.1	85.5	90.4	94.8	96.1	97.2	98.0	98.3	98.8	99.1	99.2	99.4	99.5	99.7	99.9
GE 400	30.6	79.1	85.5	90.4	94.8	96.1	97.2	98.0	98.3	98.8	99.1	99.2	99.4	99.5	99.7	99.9
GE 300	30.6	79.1	85.5	90.4	94.8	96.1	97.2	98.0	98.3	98.8	99.1	99.2	99.4	99.5	99.7	99.9
GE 200	30.6	79.1	85.5	90.4	94.8	96.1	97.2	98.0	98.3	98.8	99.1	99.2	99.4	99.5	99.7	99.9
GE 100	30.6	79.1	85.5	90.4	94.8	96.1	97.2	98.0	98.3	98.8	99.1	99.2	99.4	99.5	99.7	99.9
GE 0	30.6	79.1	85.5	90.4	94.8	96.1	97.2	98.0	98.3	98.8	99.1	99.2	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.8	46.8	49.6	50.5	51.4	51.5	51.6	52.0	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4
GE 20000	26.8	49.7	52.9	53.9	54.7	54.8	54.9	55.4	55.5	55.6	55.7	55.7	55.7	55.8	55.8	55.9	55.9
GE 18000	26.8	49.7	52.9	53.9	54.7	54.8	54.9	55.4	55.5	55.6	55.7	55.7	55.7	55.8	55.8	55.9	55.9
GE 16000	26.8	49.7	52.9	53.9	54.7	54.8	54.9	55.4	55.5	55.6	55.7	55.7	55.7	55.8	55.8	55.9	55.9
GE 14000	26.9	49.9	53.1	54.1	54.9	55.1	55.2	55.6	55.7	55.8	55.9	55.9	55.9	56.0	56.0	56.1	56.1
GE 12000	27.4	51.3	54.5	55.5	56.5	56.6	56.7	57.1	57.2	57.3	57.4	57.4	57.4	57.5	57.5	57.6	57.6
GE 10000	28.8	56.3	59.7	60.8	62.0	62.2	62.3	62.8	62.9	63.0	63.1	63.1	63.1	63.2	63.2	63.3	63.3
GE 9000	29.2	57.0	60.3	61.4	62.7	62.8	62.9	63.4	63.5	63.7	63.8	63.8	63.8	63.9	63.9	64.0	64.0
GE 8000	30.5	63.0	63.3	64.4	65.9	66.3	66.6	67.1	67.2	67.3	67.4	67.4	67.4	67.5	67.5	67.6	67.6
GE 7000	31.3	61.8	65.2	66.2	67.7	68.2	68.4	68.9	69.0	69.1	69.2	69.2	69.2	69.4	69.4	69.5	69.5
GE 6000	31.4	64.1	67.4	68.5	70.0	70.5	70.8	71.3	71.4	71.5	71.6	71.6	71.6	71.7	71.7	71.9	71.9
GE 5000	34.2	68.2	72.5	73.7	75.2	75.7	75.9	76.5	76.6	76.7	76.8	76.8	76.8	76.9	76.9	77.1	77.1
GE 4500	35.3	69.7	74.1	75.4	77.0	77.5	77.7	78.3	78.4	78.5	78.6	78.6	78.6	78.7	78.7	78.9	78.9
GE 4000	35.8	71.4	75.9	77.4	79.1	79.7	79.9	80.4	80.5	80.6	80.8	80.8	80.8	80.9	80.9	81.1	81.1
GE 3500	37.1	72.9	77.5	79.1	80.9	81.4	81.6	82.2	82.3	82.4	82.5	82.5	82.5	82.6	82.6	82.8	82.8
GE 3000	37.4	75.1	80.0	82.0	83.9	84.4	84.6	85.2	85.3	85.4	85.5	85.5	85.5	85.6	85.6	85.8	85.8
GE 2500	38.1	76.5	81.5	83.9	85.8	86.3	86.6	87.5	87.6	87.7	87.8	87.8	87.8	88.0	88.0	88.2	88.2
GE 2000	38.4	77.3	82.8	85.4	87.5	88.1	88.4	89.8	89.9	90.0	90.1	90.1	90.1	90.3	90.3	90.5	90.5
GE 1800	38.4	77.4	82.9	85.5	87.6	88.2	88.5	89.9	90.0	90.1	90.2	90.2	90.2	90.4	90.4	90.6	90.6
GE 1500	38.4	78.2	84.0	86.7	88.9	89.5	89.8	91.2	91.3	91.4	91.5	91.5	91.5	91.7	91.7	91.9	91.9
GE 1200	38.4	78.3	84.5	87.2	89.6	90.1	90.4	91.8	91.9	92.2	92.3	92.3	92.3	92.5	92.5	92.7	92.7
GE 1000	38.4	78.9	85.3	88.3	90.9	91.4	91.8	93.3	93.4	93.7	93.8	93.8	93.8	94.0	94.0	94.2	94.2
GE 900	38.4	79.2	85.7	88.7	91.5	92.0	92.5	94.0	94.3	94.5	94.6	94.6	94.6	94.8	94.8	95.1	95.1
GE 800	38.4	79.6	86.1	89.4	92.3	92.8	93.2	94.8	95.2	95.4	95.5	95.5	95.5	95.7	95.7	95.9	95.9
GE 700	38.4	79.7	86.2	89.6	92.5	93.0	93.4	95.1	95.4	95.6	95.7	95.7	95.7	95.9	95.9	96.1	96.1
GE 600	38.4	79.8	86.6	90.0	93.1	93.8	94.2	95.8	96.1	96.3	96.5	96.5	96.5	96.7	96.7	96.9	96.9
GE 500	38.4	79.8	86.6	90.4	93.9	94.6	95.3	96.9	97.2	97.4	97.5	97.5	97.5	97.7	97.7	98.0	98.0
GE 400	38.4	79.8	86.7	90.5	94.1	94.8	95.8	97.5	97.8	98.1	98.2	98.2	98.4	98.4	98.4	98.6	98.6
GE 300	38.4	79.8	86.7	90.5	94.2	94.9	96.0	97.7	98.1	98.4	98.5	98.5	98.5	98.8	98.8	99.0	99.0
GE 200	38.4	79.8	86.7	90.5	94.2	94.9	96.0	97.7	98.1	98.4	98.6	98.6	98.6	99.0	99.0	99.2	99.2
GE 100	38.4	79.8	86.7	90.5	94.2	94.9	96.0	97.7	98.1	98.4	98.6	98.6	98.6	99.0	99.0	99.2	99.4
GE 0	38.4	79.8	86.7	90.5	94.2	94.9	96.0	97.7	98.1	98.4	98.6	98.6	98.6	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.5	45.8	49.6	50.5	52.0	52.5	52.6	53.4	53.4	53.5	53.5	53.5	53.7	53.8	54.0	54.0	
GE 20000	26.1	48.8	53.0	54.1	55.6	56.0	56.1	57.0	57.0	57.1	57.1	57.1	57.2	57.3	57.5	57.5	
GE 18000	26.1	48.8	53.0	54.1	55.6	56.0	56.1	57.0	57.0	57.1	57.1	57.1	57.2	57.3	57.5	57.5	
GE 16000	26.1	48.8	53.0	54.1	55.6	56.0	56.1	57.0	57.0	57.1	57.1	57.1	57.2	57.3	57.5	57.5	
GE 14000	26.1	48.8	53.0	54.1	55.6	56.0	56.1	57.0	57.0	57.1	57.1	57.1	57.2	57.3	57.5	57.5	
GE 12000	26.2	50.0	54.2	55.3	56.8	57.2	57.3	58.2	58.2	58.3	58.3	58.3	58.4	58.5	58.7	58.7	
GE 10000	28.0	54.0	58.4	59.5	61.0	61.4	61.5	62.5	62.5	62.6	62.6	62.6	62.7	62.8	63.0	63.0	
GE 9000	28.4	54.4	58.8	59.9	61.4	61.8	61.9	62.9	62.9	63.0	63.0	63.0	63.1	63.2	63.4	63.4	
GE 8000	29.2	56.3	60.9	61.9	63.4	64.3	64.7	65.7	65.7	65.8	65.8	65.8	65.9	66.0	66.2	66.2	
GE 7000	30.2	58.9	63.5	64.6	66.2	67.1	67.5	68.5	68.5	68.6	68.6	68.6	68.7	68.8	69.0	69.0	
GE 6000	30.8	60.3	65.1	66.6	68.2	69.0	69.5	70.4	70.4	70.5	70.5	70.5	70.6	70.8	71.0	71.0	
GE 5000	31.9	62.4	67.6	69.5	71.1	71.9	72.4	73.4	73.4	73.5	73.5	73.5	73.7	73.8	74.0	74.0	
GE 4500	32.9	63.5	69.0	70.9	72.5	73.3	73.8	74.8	74.8	74.9	74.9	74.9	75.1	75.2	75.4	75.4	
GE 4000	33.2	64.5	70.2	72.2	73.9	74.7	75.2	76.3	76.3	76.6	76.6	76.6	76.7	76.8	77.0	77.0	
GE 3500	33.9	65.9	71.7	73.9	75.6	76.5	76.9	78.1	78.1	78.3	78.3	78.3	78.4	78.5	78.7	78.7	
GE 3000	34.3	68.2	74.0	76.7	78.5	79.4	79.8	81.1	81.1	81.3	81.3	81.3	81.4	81.5	81.7	81.7	
GE 2500	35.4	69.6	76.5	78.8	80.8	81.6	82.3	83.8	83.8	84.0	84.0	84.0	84.1	84.2	84.4	84.4	
GE 2000	35.8	70.5	76.6	79.9	81.9	82.8	83.4	84.9	84.9	85.2	85.2	85.2	85.3	85.4	85.6	85.6	
GE 1800	35.8	70.5	76.6	79.9	81.9	82.8	83.4	84.9	84.9	85.2	85.2	85.2	85.3	85.4	85.6	85.6	
GE 1500	36.2	71.7	78.2	81.6	83.9	84.7	85.4	86.9	86.9	87.1	87.1	87.1	87.2	87.3	87.5	87.5	
GE 1200	36.2	72.0	78.9	82.7	84.9	85.8	86.5	88.1	88.1	88.3	88.3	88.3	88.4	88.5	88.7	88.7	
GE 1000	36.2	72.8	79.8	84.1	86.6	87.5	88.3	89.9	89.9	90.1	90.1	90.1	90.2	90.3	90.5	90.5	
GE 900	36.2	73.2	80.2	84.5	87.3	88.4	89.2	90.9	90.9	91.1	91.1	91.1	91.2	91.3	91.5	91.5	
GE 800	36.2	73.8	81.0	85.4	88.5	89.6	90.4	92.0	92.0	92.3	92.3	92.3	92.4	92.5	92.7	92.7	
GE 700	36.2	73.8	81.1	85.8	89.4	90.5	91.5	93.1	93.2	93.4	93.4	93.5	93.7	93.8	94.0	94.0	
GE 600	36.2	74.0	81.3	86.1	89.7	90.9	92.0	93.9	94.0	94.6	94.6	94.6	94.7	94.7	94.9	94.9	
GE 500	36.2	74.3	81.8	86.8	90.9	92.0	93.5	95.5	95.6	96.1	96.1	96.2	96.3	96.5	96.7	96.7	
GE 400	36.2	74.3	81.8	86.9	91.0	92.2	94.0	95.9	96.0	96.6	96.6	96.7	96.8	96.9	97.1	97.1	
GE 300	36.2	74.3	81.9	87.0	91.3	92.5	94.5	96.5	96.6	97.3	97.3	97.5	97.6	97.7	97.8	97.8	
GE 200	36.2	74.3	81.9	87.0	91.3	92.5	94.5	96.6	96.7	97.4	97.4	97.8	98.0	98.1	98.2	98.2	
GE 100	36.2	74.3	81.9	87.0	91.3	92.5	94.5	96.6	96.7	97.4	97.4	97.8	98.0	98.1	98.2	98.2	
GE 0	36.2	74.3	81.9	87.0	91.3	92.5	94.5	96.6	96.7	97.4	97.4	97.8	98.0	98.1	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	17.1	38.7	42.3	44.5	47.1	47.8	48.9	49.5	49.6	49.7	49.9	49.9	50.4	50.8	51.1	51.3
GE 20000	19.7	42.4	46.1	48.4	51.3	52.5	53.8	54.3	54.4	54.5	54.7	54.7	55.3	55.6	55.9	56.1
GE 18000	18.7	42.4	46.1	48.4	51.3	52.5	53.8	54.3	54.4	54.5	54.7	54.7	55.3	55.6	55.9	56.1
GE 16000	18.7	42.4	46.1	48.4	51.3	52.5	53.8	54.3	54.4	54.5	54.7	54.7	55.3	55.6	55.9	56.1
GE 14000	18.7	42.8	46.6	48.8	51.7	52.9	54.2	54.7	54.8	54.9	55.2	55.2	55.7	56.0	56.3	56.6
GE 12000	19.1	44.0	47.7	50.0	52.9	54.1	55.5	56.0	56.1	56.2	56.5	56.5	57.1	57.4	57.7	58.0
GE 10000	20.1	46.3	50.3	52.7	55.6	56.8	58.2	58.8	58.9	59.1	59.4	59.4	60.0	60.3	60.6	60.9
GE 9000	20.3	46.8	50.8	53.1	56.0	57.2	58.6	59.2	59.4	59.6	59.8	59.8	60.4	60.8	61.1	61.3
GE 8000	21.3	49.4	53.3	55.9	59.0	60.3	61.7	62.4	62.5	62.7	62.9	62.9	63.5	63.9	64.2	64.4
GE 7000	21.7	50.1	54.2	56.8	60.1	61.4	62.8	63.4	63.5	63.8	64.0	64.0	64.6	64.9	65.3	65.5
GE 6000	21.8	51.3	55.4	58.1	61.4	62.7	64.1	64.8	64.9	65.2	65.5	65.5	66.1	66.5	66.8	67.0
GE 5000	23.0	54.4	58.5	61.4	65.1	66.6	68.4	69.4	69.5	69.7	70.3	70.3	71.0	71.3	71.6	71.8
GE 4500	23.1	55.2	59.2	62.3	66.1	67.6	69.6	70.6	70.8	71.0	71.6	71.6	72.3	72.6	72.9	73.1
GE 4000	23.7	56.1	60.4	63.8	67.6	69.1	71.1	72.2	72.4	72.6	73.2	73.2	73.9	74.2	74.5	74.7
GE 3500	24.5	57.8	62.2	65.6	69.5	71.0	72.9	74.0	74.2	74.4	75.1	75.1	75.7	76.0	76.3	76.6
GE 3000	24.6	59.2	63.9	67.5	71.6	73.1	75.2	76.5	76.7	76.9	77.5	77.5	78.2	78.5	78.8	79.0
GE 2500	25.2	61.0	65.8	69.7	74.2	75.7	77.7	79.0	79.2	79.5	80.1	80.1	80.8	81.1	81.4	81.6
GE 2000	25.3	62.0	67.1	71.3	76.0	77.5	79.6	81.0	81.2	81.4	82.0	82.0	82.7	83.0	83.3	83.5
GE 1900	25.3	62.3	67.4	71.7	76.5	78.0	80.2	81.6	81.8	82.0	82.7	82.7	83.3	83.7	84.0	84.2
GE 1800	25.4	62.7	68.1	72.5	77.3	79.0	81.1	82.5	82.7	82.9	83.5	83.5	84.2	84.5	84.8	85.1
GE 1700	25.4	63.9	69.5	73.9	78.9	80.6	82.7	84.1	84.3	84.5	85.2	85.2	85.8	86.1	86.5	86.7
GE 1600	25.6	65.3	70.9	75.4	81.1	82.8	84.9	86.3	86.6	86.8	87.4	87.4	88.1	88.4	88.7	88.9
GE 1500	25.6	65.5	71.2	75.7	81.4	83.2	85.5	86.9	87.1	87.3	88.0	88.0	88.6	88.9	89.2	89.5
GE 1400	25.6	65.8	71.7	76.5	82.2	84.1	86.3	88.0	88.2	88.4	89.0	89.0	89.7	90.0	90.3	90.5
GE 1300	25.6	65.9	71.9	76.8	83.0	85.1	87.5	89.1	89.5	89.7	90.3	90.3	91.0	91.3	91.6	91.8
GE 1200	25.6	65.9	72.0	77.1	83.8	85.9	88.9	90.5	90.9	91.1	91.8	91.8	92.5	92.8	93.1	93.3
GE 1100	25.6	66.0	72.3	77.5	84.5	86.6	89.9	91.7	92.2	92.5	93.3	93.3	94.0	94.3	94.6	94.8
GE 1000	25.6	66.1	72.4	77.7	84.9	87.4	90.8	92.7	93.1	93.4	94.3	94.3	94.9	95.3	95.6	95.8
GE 900	25.6	66.1	72.4	78.0	85.4	87.8	91.2	93.8	94.2	94.5	95.8	95.8	96.5	96.8	97.2	97.7
GE 800	25.6	66.1	72.4	78.1	85.5	88.0	91.3	94.1	94.5	94.8	96.1	96.1	96.8	97.1	97.7	98.4
GE 700	25.6	66.1	72.4	78.1	85.5	88.0	91.3	94.1	94.5	94.8	96.2	96.2	97.0	97.8	98.6	100.0
GE 600	25.6	66.1	72.4	78.1	85.5	88.0	91.3	94.1	94.5	94.8	96.2	96.2	97.0	97.8	98.6	100.0
GE 500	25.6	66.1	72.4	78.1	85.5	88.0	91.3	94.1	94.5	94.8	96.2	96.2	97.0	97.8	98.6	100.0
GE 400	25.6	66.1	72.4	78.1	85.5	88.0	91.3	94.1	94.5	94.8	96.2	96.2	97.0	97.8	98.6	100.0
GE 300	25.6	66.1	72.4	78.1	85.5	88.0	91.3	94.1	94.5	94.8	96.2	96.2	97.0	97.8	98.6	100.0
GE 200	25.6	66.1	72.4	78.1	85.5	88.0	91.3	94.1	94.5	94.8	96.2	96.2	97.0	97.8	98.6	100.0
GE 100	25.6	66.1	72.4	78.1	85.5	88.0	91.3	94.1	94.5	94.8	96.2	96.2	97.0	97.8	98.6	100.0
GE 0	25.6	66.1	72.4	78.1	85.5	88.0	91.3	94.1	94.5	94.8	96.2	96.2	97.0	97.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	16.7	39.8	41.4	43.0	44.5	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2
GE 20000	18.9	44.8	46.7	48.9	50.9	51.3	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0
GE 18000	18.9	44.8	46.7	48.9	50.9	51.3	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0
GE 16000	18.9	44.8	46.7	48.9	50.9	51.3	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0
GE 14000	19.0	46.0	48.0	50.2	52.2	52.6	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3
GE 12000	19.5	47.0	49.1	51.5	53.7	54.1	54.5	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.9	54.9
GE 10000	20.0	49.5	52.0	54.6	57.0	57.5	58.0	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.5
GE 9000	20.1	49.8	52.4	55.1	57.4	58.0	58.4	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.9	58.9
GE 8000	20.5	52.6	55.2	58.3	60.9	61.5	61.9	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.5	62.5
GE 7000	20.9	53.3	55.9	59.0	61.6	62.3	62.7	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.2
GE 6000	21.1	54.7	57.4	60.5	63.1	63.6	64.2	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.7	64.7
GE 5000	21.3	57.7	60.8	64.0	66.7	67.3	67.8	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.5	68.5
GE 4500	21.4	58.5	61.5	64.8	67.5	68.3	69.0	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.7	69.7
GE 4000	21.9	61.1	64.3	67.7	70.6	71.4	72.2	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.8	72.8
GE 3500	22.2	62.4	65.8	69.2	72.2	72.9	73.7	73.9	74.0	74.2	74.2	74.2	74.2	74.2	74.3	74.3
GE 3000	22.4	65.2	68.7	72.3	75.4	76.1	76.9	77.1	77.4	77.6	77.6	77.6	77.6	77.6	77.7	77.7
GE 2500	22.4	66.3	70.3	74.2	77.3	78.1	78.9	79.1	79.5	79.7	79.7	79.7	79.7	79.7	79.8	79.8
GE 2000	22.5	68.5	72.7	76.7	80.0	80.8	81.6	81.9	82.3	82.5	82.5	82.5	82.5	82.5	82.6	82.6
GE 1900	22.5	68.7	72.9	76.9	80.2	81.0	81.8	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.8	82.8
GE 1800	22.7	70.4	74.8	78.9	82.5	83.2	84.1	84.4	84.8	85.3	85.3	85.3	85.3	85.3	85.4	85.4
GE 1700	22.7	71.2	75.8	80.0	83.8	84.5	85.5	85.8	86.2	86.7	86.7	86.7	86.7	86.7	86.8	86.8
GE 1600	22.7	73.3	78.4	83.1	87.2	88.2	89.2	89.6	90.0	90.4	90.5	90.5	90.5	90.5	90.6	90.6
GE 1500	22.7	73.3	78.5	83.2	87.3	88.3	89.4	89.7	90.1	90.5	90.6	90.6	90.6	90.6	90.8	90.8
GE 1400	22.7	73.9	79.1	83.9	88.3	89.5	90.5	91.0	91.4	91.8	91.9	91.9	91.9	91.9	92.0	92.0
GE 1300	22.7	74.3	79.6	84.3	89.8	91.0	92.2	92.7	93.2	93.8	93.9	93.9	93.9	93.9	94.0	94.0
GE 1200	22.7	74.8	80.1	85.2	90.6	91.9	93.3	94.0	94.5	95.3	95.3	95.3	95.3	95.3	95.6	95.6
GE 1100	22.7	74.8	80.1	85.3	91.0	92.4	93.8	94.8	95.4	96.2	96.5	96.5	96.5	96.5	96.6	96.6
GE 1000	22.7	74.8	80.1	85.5	91.3	92.9	94.6	95.9	96.7	97.6	98.2	98.2	98.2	98.2	98.3	98.3
GE 900	22.7	74.8	80.1	85.5	91.3	92.9	94.7	96.0	96.8	97.8	98.5	98.5	98.5	98.5	98.8	98.9
GE 800	22.7	74.8	80.1	85.5	91.4	93.0	94.8	96.2	97.0	98.3	99.0	99.0	99.0	99.0	99.6	99.7
GE 700	22.7	74.8	80.1	85.5	91.4	93.0	94.8	96.2	97.0	98.3	99.1	99.1	99.1	99.2	99.8	100.0
GE 600	22.7	74.8	80.1	85.5	91.4	93.0	94.8	96.2	97.0	98.3	99.1	99.1	99.1	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	18.4	41.7	44.1	44.5	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 20000	20.8	47.6	50.1	50.8	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 18000	20.8	47.8	50.5	51.2	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 16000	20.8	48.0	50.6	51.3	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 14000	20.8	49.1	51.8	52.5	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 12000	21.0	50.2	52.9	53.7	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 10000	21.7	54.3	57.6	58.5	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 9000	21.8	54.7	58.2	59.1	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 8000	22.5	57.4	61.0	61.9	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 7000	22.9	58.8	62.5	63.4	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 6000	23.2	60.0	63.6	64.8	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 5000	23.7	61.8	65.7	66.9	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 4500	23.7	62.3	66.1	67.4	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4000	24.1	64.6	68.8	70.2	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 3500	24.5	65.6	69.9	71.6	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 3000	25.7	70.8	75.3	77.0	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 2500	25.8	72.9	77.5	79.4	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 2000	26.3	76.9	81.7	83.7	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1800	26.3	77.3	82.2	84.1	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 1600	26.3	78.6	83.8	85.9	87.8	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1400	26.5	79.7	85.3	87.8	89.9	90.2	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5
GE 1000	26.5	80.3	86.5	89.5	91.7	92.0	92.2	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 900	26.5	80.9	87.1	90.3	92.7	93.1	93.2	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7
GE 800	26.5	81.4	87.7	91.2	94.0	94.5	94.7	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5
GE 700	26.5	82.0	88.5	92.0	94.9	95.6	95.8	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6
GE 600	26.5	82.6	89.2	92.8	96.0	96.7	96.9	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 500	26.5	82.7	89.6	93.1	96.6	97.2	97.5	98.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	26.5	82.7	89.7	93.3	97.2	98.0	98.3	99.0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	26.5	82.7	89.7	93.3	97.3	98.1	98.5	99.4	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	26.5	82.7	89.7	93.3	97.3	98.1	98.5	99.4	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	26.5	82.7	89.7	93.3	97.3	98.1	98.5	99.4	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 0	26.5	82.7	89.7	93.3	97.3	98.1	98.5	99.4	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 1500-1700

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	19.1	41.5	43.1	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 20000	23.4	49.8	52.0	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 18000	23.4	49.8	52.0	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 16000	23.4	49.8	52.0	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 14000	23.4	50.3	52.7	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 12000	23.9	51.5	54.0	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 10000	25.1	56.0	58.5	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 9000	25.3	56.3	58.8	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 8000	26.2	58.9	61.6	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 7000	26.5	61.3	64.0	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 6000	26.9	63.5	66.7	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 5000	27.4	66.5	69.6	70.5	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 4500	27.4	67.3	70.5	71.6	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4000	27.8	70.4	73.7	74.8	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3500	28.7	72.7	76.6	77.8	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 3000	29.7	77.1	81.0	82.4	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 2500	30.0	78.8	83.1	84.7	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 2000	30.1	81.8	86.5	88.3	89.6	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1800	30.1	82.0	86.7	88.5	89.8	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1500	30.1	83.3	88.0	90.1	91.4	91.5	91.8	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1200	30.1	84.2	88.8	91.4	93.2	93.3	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1000	30.1	84.8	89.5	92.0	94.5	94.7	95.2	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	30.1	85.2	90.0	92.6	95.4	95.6	96.0	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 800	30.1	85.6	90.4	93.2	96.1	96.6	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	30.1	85.7	90.6	93.4	96.5	96.9	97.5	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	30.1	86.1	91.3	94.1	97.2	97.6	98.3	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	30.1	86.1	91.3	94.1	97.2	97.7	98.5	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	30.1	86.1	91.3	94.1	97.2	97.7	98.5	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	30.1	86.1	91.3	94.1	97.2	97.7	98.5	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	30.1	86.1	91.3	94.1	97.2	97.7	98.5	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	30.1	86.1	91.3	94.1	97.2	97.7	98.5	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	30.1	86.1	91.3	94.1	97.2	97.7	98.5	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	23.9	46.2	47.4	48.1	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	
GE 20000	27.0	51.8	53.3	54.1	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	
GE 18000	27.0	51.8	53.5	54.3	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	
GE 16000	27.0	51.8	53.5	54.3	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	
GE 14000	27.5	52.4	54.3	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	
GE 12000	28.2	53.7	55.4	56.1	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	
GE 10000	28.6	56.8	59.0	59.9	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	
GE 9000	28.7	57.0	59.4	60.2	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
GE 8000	29.7	59.0	61.5	62.4	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
GE 7000	30.2	61.2	64.0	64.8	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	
GE 6000	30.4	62.8	65.8	66.9	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
GE 5000	31.9	68.3	71.5	72.6	72.9	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	
GE 4500	32.0	70.3	73.5	74.8	75.3	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
GE 4000	33.1	73.2	76.9	78.2	79.0	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	
GE 3500	33.7	75.4	79.2	80.6	81.5	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	
GE 3000	34.5	78.1	82.0	83.5	84.4	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	
GE 2500	34.5	78.8	83.0	84.5	86.0	86.6	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	
GE 2000	34.5	80.8	85.7	87.4	89.4	89.9	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	
GE 1800	34.5	80.8	85.8	87.6	89.7	90.2	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
GE 1500	34.6	81.6	86.8	88.7	91.1	91.7	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	
GE 1200	34.6	82.3	87.4	89.6	92.2	92.9	93.4	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	
GE 1000	34.6	82.5	87.7	90.0	92.9	93.7	94.4	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	
GE 900	34.6	82.6	88.0	90.2	93.1	94.1	94.9	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
GE 800	34.6	82.9	88.3	91.0	94.1	95.2	96.0	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
GE 700	34.6	83.1	88.6	91.4	94.5	95.7	96.6	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
GE 600	34.6	83.1	88.7	91.5	94.8	96.1	97.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 500	34.6	83.3	88.9	91.8	95.2	96.5	97.4	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 400	34.6	83.3	88.9	91.8	95.3	96.6	97.5	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	
GE 300	34.6	83.3	89.0	91.9	95.4	96.7	97.6	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	34.6	83.3	89.0	91.9	95.4	96.7	97.6	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	34.6	83.3	89.0	91.9	95.4	96.7	97.6	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	34.6	83.3	89.0	91.9	95.4	96.7	97.6	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	26.2	47.5	49.2	50.1	50.5	50.9	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 20000	28.6	52.7	54.8	55.8	56.3	56.7	57.0	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 18000	28.7	52.8	55.1	56.2	56.8	57.1	57.4	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 16000	28.7	52.8	55.1	56.2	56.8	57.1	57.4	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 14000	28.8	53.0	55.3	56.5	57.0	57.3	57.6	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 12000	30.1	54.8	57.1	58.4	58.9	59.2	59.6	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 10000	30.9	57.8	60.8	62.3	62.9	63.2	63.5	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 9000	31.1	58.4	61.3	62.8	63.4	63.8	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 8000	32.8	61.1	64.0	65.5	66.1	66.5	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 7000	33.3	62.9	65.8	67.3	68.0	68.3	68.6	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 6000	33.7	64.7	67.8	69.4	70.0	70.5	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 5000	35.6	70.4	73.9	75.5	76.3	77.0	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 4500	35.8	71.8	75.4	77.0	77.8	78.5	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 4000	36.5	73.7	77.7	79.7	81.1	81.7	82.3	82.7	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9
GE 3500	36.8	75.1	79.3	81.5	82.9	83.5	84.1	84.5	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7
GE 3000	38.0	77.4	81.8	84.6	86.2	86.9	87.4	87.8	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1
GE 2500	38.2	78.0	82.6	85.4	87.5	88.2	88.7	89.2	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7
GE 2000	39.3	79.5	84.3	87.2	89.4	90.0	90.5	91.2	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6
GE 1800	39.4	79.6	84.4	87.4	89.6	90.2	90.8	91.4	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8
GE 1500	39.5	80.3	85.4	88.5	90.8	91.4	91.9	92.6	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0
GE 1200	39.5	80.5	85.6	88.9	91.3	91.9	92.5	93.1	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 1000	39.5	81.1	86.1	89.6	91.9	92.8	93.3	94.0	94.0	94.3	94.4	94.4	94.4	94.5	94.5	94.5
GE 900	39.5	81.2	86.2	89.7	92.0	93.0	93.8	94.4	94.4	94.7	94.8	94.8	94.8	94.9	94.9	94.9
GE 800	39.5	81.5	86.7	90.1	92.7	93.7	94.4	95.2	95.2	95.5	95.6	95.6	95.6	95.7	95.7	95.7
GE 700	39.5	81.7	87.1	91.0	93.5	94.5	95.4	96.1	96.1	96.5	96.6	96.6	96.6	96.7	96.7	96.7
GE 600	39.5	81.8	87.3	91.3	93.9	94.8	95.8	96.8	96.8	97.1	97.2	97.2	97.2	97.3	97.3	97.3
GE 500	39.5	81.6	87.5	91.6	94.8	95.8	97.2	98.2	98.2	98.5	98.6	98.6	98.6	98.7	98.7	98.7
GE 400	39.5	81.8	87.5	91.7	95.2	96.1	97.6	98.6	98.6	98.9	99.0	99.0	99.0	99.1	99.1	99.1
GE 300	39.5	81.8	87.5	91.7	95.2	96.1	97.6	98.6	98.6	98.9	99.0	99.0	99.0	99.2	99.2	99.2
GE 200	39.5	81.8	87.5	91.7	95.2	96.1	97.6	98.6	98.6	98.9	99.2	99.2	99.2	99.6	99.6	99.6
GE 100	39.5	81.8	87.5	91.7	95.2	96.1	97.6	98.6	98.6	98.9	99.4	99.4	99.4	99.8	99.8	99.9
GE 0	39.5	81.8	87.5	91.7	95.2	96.1	97.6	98.6	98.6	98.9	99.4	99.4	99.4	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST):

ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.6	43.5	45.8	46.9	47.9	48.1	48.3	48.5	48.6	48.6	48.6	48.6	48.7	48.8	48.9	48.9
GE 20000	23.8	48.5	51.1	52.3	53.4	53.7	54.0	54.3	54.3	54.4	54.4	54.4	54.5	54.6	54.6	54.7
GE 18000	23.4	48.5	51.2	52.5	53.5	53.8	54.1	54.4	54.4	54.5	54.5	54.5	54.6	54.7	54.8	54.8
GE 16000	23.8	48.5	51.3	52.5	53.5	53.8	54.1	54.4	54.4	54.5	54.5	54.5	54.6	54.7	54.8	54.8
GE 14000	23.9	49.1	51.8	53.1	54.1	54.4	54.7	55.0	55.0	55.1	55.1	55.1	55.2	55.3	55.4	55.4
GE 12000	24.5	50.3	53.1	54.4	55.5	55.8	56.1	56.4	56.5	56.5	56.6	56.6	56.7	56.7	56.8	56.8
GE 10000	25.4	53.9	57.0	58.4	59.6	60.0	60.3	60.6	60.6	60.7	60.8	60.8	60.9	60.9	61.0	61.0
GE 9200	25.6	54.3	57.5	58.9	60.1	60.4	60.7	61.1	61.1	61.2	61.2	61.2	61.3	61.4	61.5	61.5
GE 8400	26.6	56.8	60.1	61.6	62.9	63.4	63.7	64.0	64.1	64.2	64.2	64.2	64.3	64.4	64.5	64.5
GE 7600	27.1	58.5	61.9	63.4	64.7	65.2	65.6	65.9	65.9	66.0	66.0	66.0	66.2	66.2	66.3	66.3
GE 6800	27.5	60.2	63.7	65.3	66.6	67.2	67.5	67.9	67.9	68.0	68.1	68.1	68.2	68.2	68.3	68.3
GE 5000	28.6	63.7	67.5	69.2	70.7	71.3	71.7	72.1	72.2	72.3	72.4	72.4	72.5	72.5	72.6	72.6
GE 4500	29.0	64.8	68.7	70.5	72.0	72.6	73.1	73.5	73.6	73.7	73.8	73.8	73.9	73.9	74.0	74.1
GE 4000	29.5	66.9	71.0	73.0	74.7	75.3	75.8	76.3	76.3	76.4	76.5	76.5	76.6	76.7	76.8	76.8
GE 3500	30.2	68.5	72.8	74.9	76.6	77.3	77.8	78.2	78.3	78.4	78.5	78.5	78.6	78.7	78.8	78.8
GE 3000	30.8	71.4	75.8	78.3	80.1	80.7	81.3	81.7	81.8	81.9	82.0	82.0	82.2	82.2	82.3	82.3
GE 2500	31.2	72.7	77.4	80.1	82.2	82.8	83.4	84.0	84.1	84.3	84.4	84.4	84.5	84.5	84.6	84.7
GE 2000	31.4	74.7	79.7	82.5	84.8	85.5	86.1	86.8	86.9	87.0	87.2	87.2	87.3	87.3	87.4	87.5
GE 1800	31.4	74.8	79.9	82.7	85.1	85.8	86.4	87.1	87.2	87.3	87.4	87.4	87.6	87.6	87.7	87.7
GE 1500	31.5	75.9	81.1	84.1	86.7	87.4	88.1	88.8	88.9	89.1	89.2	89.2	89.4	89.4	89.5	89.6
GE 1200	31.5	76.5	82.0	85.2	88.0	88.7	89.4	90.1	90.2	90.5	90.6	90.6	90.7	90.8	90.8	90.9
GE 1000	31.6	77.4	83.0	86.5	89.6	90.4	91.2	92.0	92.1	92.3	92.4	92.4	92.6	92.6	92.7	92.8
GE 900	31.6	77.6	83.4	86.9	90.1	91.0	91.8	92.6	92.8	93.0	93.1	93.1	93.3	93.3	93.4	93.4
GE 800	31.6	78.1	83.9	87.6	91.0	92.0	92.8	93.8	94.0	94.2	94.3	94.3	94.4	94.5	94.6	94.6
GE 700	31.6	78.3	84.2	88.0	91.8	92.8	93.7	94.8	95.0	95.2	95.3	95.3	95.5	95.6	95.6	95.7
GE 600	31.6	78.5	84.6	88.5	92.4	93.5	94.6	95.7	95.9	96.2	96.4	96.4	96.5	96.6	96.7	96.7
GE 500	31.6	78.6	84.8	88.8	93.0	94.1	95.4	96.7	96.9	97.3	97.5	97.5	97.6	97.7	97.8	97.8
GE 400	31.6	78.6	84.8	89.0	93.3	94.5	95.9	97.2	97.5	97.9	98.2	98.2	98.3	98.4	98.5	98.5
GE 300	31.6	78.6	84.8	89.0	93.4	94.6	96.1	97.5	97.8	98.3	98.7	98.7	98.8	98.9	99.1	99.2
GE 200	31.6	78.6	84.8	89.0	93.4	94.6	96.1	97.6	97.9	98.4	98.8	98.9	99.1	99.2	99.4	99.5
GE 100	31.6	78.6	84.8	89.0	93.4	94.6	96.1	97.6	97.9	98.4	98.9	98.9	99.1	99.3	99.5	99.8
GE CI	31.6	78.6	84.8	89.0	93.4	94.6	96.1	97.6	97.9	98.4	98.9	98.9	99.1	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	15.9	34.1	36.3	36.9	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 20000	17.8	36.9	39.1	39.7	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 18000	17.8	36.9	39.2	39.8	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 16000	17.8	36.9	39.2	39.8	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 14000	17.8	36.9	39.6	40.1	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 12000	17.8	37.8	40.4	41.4	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 10000	18.2	40.8	43.8	44.8	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 9000	18.3	41.0	44.0	45.0	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 8000	19.7	43.7	46.9	47.9	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 7000	20.4	46.0	49.3	50.6	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 6000	20.8	47.4	51.0	52.4	53.8	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 5000	21.9	52.6	56.4	58.0	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4500	22.7	54.9	59.0	60.6	62.3	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 4000	23.3	57.2	61.8	63.3	65.1	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 3500	23.9	58.3	63.1	64.7	66.4	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 3000	24.6	61.3	66.2	67.9	69.8	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 2500	25.8	64.3	69.2	70.9	72.8	73.0	73.4	73.4	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.6
GE 2000	26.8	67.6	72.4	74.2	76.6	76.9	77.3	77.3	77.3	77.4	77.4	77.6	77.6	77.6	77.6	77.6
GE 1800	26.9	68.1	73.0	74.8	77.1	77.4	77.9	77.9	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1
GE 1500	27.3	71.0	76.3	78.2	80.8	81.1	81.8	81.9	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.3
GE 1200	27.4	72.3	78.0	80.2	82.8	83.2	83.9	84.0	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.4
GE 1000	27.4	73.2	79.1	81.7	84.4	85.0	85.7	85.8	85.8	86.0	86.2	86.2	86.2	86.2	86.2	86.2
GE 900	27.4	73.7	80.0	82.9	85.7	86.3	87.0	87.2	87.2	87.4	87.7	87.7	87.7	87.7	87.7	87.7
GE 800	27.4	74.6	80.9	84.2	87.2	88.0	88.8	89.0	89.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6
GE 700	27.4	75.2	81.6	85.2	88.3	89.3	90.2	90.6	90.6	90.9	91.2	91.2	91.2	91.2	91.2	91.2
GE 600	27.4	75.7	82.0	86.0	89.7	90.9	92.3	92.9	92.9	93.3	93.7	93.7	93.7	93.7	93.7	93.7
GE 500	27.4	75.7	82.3	86.3	90.4	91.9	93.3	94.0	94.0	94.4	95.1	95.1	95.1	95.1	95.1	95.1
GE 400	27.4	75.7	82.4	86.4	91.1	92.6	94.3	95.3	95.4	95.9	96.7	96.7	96.8	96.8	96.8	96.8
GE 300	27.4	75.7	82.4	86.4	91.2	92.7	94.6	95.7	95.9	96.3	97.1	97.2	97.3	97.3	97.3	97.3
GE 200	27.4	75.7	82.4	86.4	91.2	92.7	94.7	96.2	96.6	97.2	98.2	98.3	98.7	98.7	98.8	99.0
GE 100	27.4	75.7	82.4	86.4	91.2	92.7	94.7	96.2	96.6	97.2	98.6	98.7	99.0	99.0	99.1	99.7
GE CI	27.4	75.7	82.4	86.4	91.2	92.7	94.7	96.2	96.6	97.2	98.6	98.7	99.0	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2	1 1/2	1	1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4
NO CEIL	15.2	35.8	38.2	39.1	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 20000	16.6	37.0	39.4	40.3	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 18000	16.6	37.0	39.4	40.3	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 16000	16.6	37.3	39.8	40.7	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 14000	16.6	37.3	39.8	40.9	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 12000	16.8	38.1	40.7	41.8	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 10000	17.2	39.3	42.1	43.3	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 9000	17.4	39.8	42.6	43.8	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 8000	17.8	41.3	44.1	45.3	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 7000	18.2	43.4	46.3	47.7	48.9	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 6000	18.6	45.2	48.1	49.4	50.8	51.4	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8
GE 5000	19.2	50.0	53.0	54.6	56.4	57.1	57.3	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7
GE 4500	20.4	52.8	55.8	57.3	59.3	60.0	60.2	60.4	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6
GE 4000	20.8	54.3	57.4	59.0	61.2	61.9	62.2	62.4	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6
GE 3500	21.0	55.8	59.2	60.8	63.0	63.7	64.0	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3
GE 3000	21.9	58.9	62.4	64.4	66.7	67.3	67.7	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0
GE 2500	22.9	61.9	65.7	68.1	70.7	71.3	71.8	72.0	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.4
GE 2000	24.3	65.2	69.4	72.2	75.3	76.0	76.4	76.7	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1
GE 1800	24.4	65.7	69.9	72.7	75.8	76.4	76.9	77.1	77.1	77.3	77.6	77.6	77.6	77.6	77.6	77.6
GE 1500	25.0	68.0	72.8	75.9	79.0	79.7	80.3	80.6	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0
GE 1200	25.0	69.7	74.8	78.2	81.6	82.3	83.0	83.2	83.2	83.4	83.7	83.7	83.7	83.7	83.7	83.7
GE 1000	25.0	70.7	76.1	79.6	83.2	84.0	84.8	85.2	85.2	85.4	85.7	85.7	85.7	85.7	85.7	85.7
GE 900	25.0	70.9	76.4	80.1	83.9	84.7	85.7	86.1	86.1	86.3	86.6	86.6	86.6	86.6	86.6	86.6
GE 800	25.0	71.3	77.2	81.1	84.9	86.0	87.6	88.0	88.0	88.2	88.4	88.4	88.4	88.4	88.4	88.4
GE 700	25.0	71.7	77.6	81.6	85.8	87.1	88.8	89.4	89.4	89.7	89.9	89.9	89.9	89.9	89.9	89.9
GE 600	25.0	72.3	78.3	82.7	87.2	88.9	90.8	91.6	91.9	92.2	92.7	92.7	92.7	92.7	92.7	92.7
GE 500	25.0	72.4	78.8	83.2	88.4	91.1	92.0	92.9	93.3	93.7	94.1	94.1	94.2	94.2	94.2	94.2
GE 400	25.0	72.4	78.8	83.3	89.1	91.0	93.1	94.8	95.2	95.7	96.2	96.2	96.3	96.3	96.3	96.3
GE 300	25.0	72.4	78.8	83.4	89.2	91.1	94.1	95.8	96.2	97.0	97.6	97.6	97.7	97.7	97.7	97.7
GE 200	25.0	72.4	78.8	83.4	89.2	91.1	94.2	95.9	96.3	97.2	97.9	98.0	98.2	98.2	98.2	98.3
GE 100	25.0	72.4	78.8	83.4	89.2	91.1	94.2	95.9	96.3	97.2	97.9	98.0	98.2	98.4	98.8	99.2
GE 0	25.0	72.4	78.8	83.4	89.2	91.1	94.2	95.9	96.3	97.2	98.0	98.2	98.4	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET	1 10	GE 6	GE 5	GE 4	GE 3	2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	13.1	30.4	33.2	34.8	35.6	36.1	36.7	36.9	36.9	37.0	37.3	37.3	37.3	37.3	37.3	37.3		
GE 20000	13.8	32.7	35.6	37.1	37.9	38.4	39.3	39.6	39.6	39.8	40.1	40.1	40.1	40.1	40.1	40.1		
GE 18000	13.8	32.8	35.7	37.2	38.0	38.6	39.4	39.7	39.7	39.9	40.2	40.2	40.2	40.2	40.2	40.2		
GE 16000	13.8	32.8	35.7	37.2	38.0	38.6	39.4	39.7	39.7	39.9	40.2	40.2	40.2	40.2	40.2	40.2		
GE 14000	13.8	32.8	35.7	37.2	38.0	38.6	39.4	39.7	39.7	39.9	40.2	40.2	40.2	40.2	40.2	40.2		
GE 12000	13.8	33.3	36.3	37.9	38.8	39.6	40.4	40.7	40.7	40.9	41.2	41.2	41.2	41.2	41.2	41.2		
GE 10000	13.9	34.7	37.8	39.4	40.3	41.3	42.2	42.6	42.7	42.9	43.2	43.2	43.2	43.2	43.2	43.2		
GE 9000	14.1	35.1	38.2	40.0	40.9	42.0	42.9	43.2	43.3	43.6	43.9	43.9	43.9	43.9	43.9	43.9		
GE 8000	14.4	37.1	40.3	42.1	43.0	44.3	45.2	45.8	45.9	46.1	46.4	46.4	46.4	46.4	46.4	46.4		
GE 7000	15.0	38.1	41.3	43.1	44.0	45.3	46.3	46.9	47.0	47.2	47.7	47.7	47.7	47.7	47.7	47.7		
GE 6000	15.4	40.7	44.1	46.1	47.1	48.8	49.9	50.4	50.6	50.8	51.2	51.2	51.2	51.2	51.2	51.2		
GE 5000	16.2	44.1	47.6	49.9	51.0	52.8	54.1	54.7	54.9	55.2	55.7	55.7	55.7	55.7	55.7	55.7		
GE 4500	17.2	46.7	50.2	52.7	53.8	55.6	56.9	57.4	57.7	58.0	58.4	58.4	58.4	58.4	58.4	58.4		
GE 4000	17.7	48.3	52.0	54.7	55.9	57.7	59.0	59.6	59.8	60.1	60.6	60.6	60.6	60.6	60.6	60.6		
GE 3500	18.0	49.4	53.3	56.2	57.4	59.4	60.9	61.3	61.6	61.9	62.3	62.3	62.3	62.3	62.3	62.3		
GE 3000	19.0	52.0	56.1	59.2	60.7	62.7	64.1	64.7	64.9	65.2	65.7	65.7	65.7	65.7	65.7	65.7		
GE 2500	19.3	54.0	58.6	61.9	63.4	65.4	66.9	67.4	67.7	68.0	68.4	68.4	68.4	68.4	68.4	68.4		
GE 2000	20.6	57.8	62.6	66.3	68.4	70.4	71.9	72.6	72.8	73.1	73.6	73.6	73.6	73.6	73.6	73.6		
GE 1800	21.0	58.9	63.8	67.9	70.0	72.0	73.4	74.1	74.3	74.7	75.1	75.1	75.1	75.1	75.1	75.1		
GE 1600	21.4	61.8	67.1	71.6	74.1	76.2	77.9	78.6	78.8	79.1	79.6	79.6	79.6	79.6	79.6	79.6		
GE 1200	21.6	62.7	68.2	73.0	75.8	77.9	79.8	80.8	81.0	81.3	81.8	81.8	81.8	81.8	81.8	81.8		
GE 1000	21.6	63.6	69.3	74.2	77.8	80.0	82.0	83.0	83.2	83.7	84.2	84.2	84.2	84.2	84.2	84.3		
GE 900	21.6	63.7	69.4	74.4	78.0	80.2	82.2	83.2	83.4	83.9	84.4	84.4	84.4	84.4	84.4	84.6		
GE 800	21.6	63.8	69.7	74.7	78.7	80.9	83.1	84.1	84.3	84.8	85.3	85.3	85.3	85.3	85.3	85.4		
GE 700	21.6	64.6	70.8	76.0	80.3	82.8	85.0	86.0	86.2	86.9	87.7	87.7	87.7	87.7	87.7	87.8		
GE 600	21.6	65.3	72.0	77.4	82.4	85.1	87.6	89.1	89.8	90.8	91.6	91.6	91.6	91.6	91.6	91.7		
GE 500	21.6	65.3	72.6	78.0	83.3	86.1	88.6	90.3	91.0	92.0	92.8	92.8	92.9	92.9	92.9	93.0		
GE 400	21.6	65.3	72.6	78.3	83.9	87.0	90.0	92.4	93.2	94.3	95.1	95.1	95.2	95.2	95.2	95.3		
GE 300	21.6	65.3	72.6	78.4	84.3	87.4	90.4	93.0	93.9	95.9	96.8	96.8	97.0	97.1	97.1	97.2		
GE 200	21.6	65.3	72.6	78.4	84.3	87.4	90.6	93.1	94.0	96.2	97.2	97.2	97.7	97.8	98.1	98.2		
GE 100	21.6	65.3	72.6	78.4	84.3	87.4	90.6	93.1	94.0	96.2	97.2	97.4	97.9	98.2	99.3	99.6		
GE 0	21.6	65.3	72.6	78.4	84.3	87.4	90.6	93.1	94.0	96.2	97.2	97.4	97.9	98.2	99.3	100.0		

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	8.0	26.9	29.7	31.7	32.4	32.9	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.2
GE 20000	8.7	31.1	34.1	36.3	37.4	38.2	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.7
GE 18000	9.0	31.7	34.7	36.9	38.1	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.3
GE 16000	9.0	31.7	34.7	36.9	38.1	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.3
GE 14000	9.0	31.9	35.0	37.3	38.6	39.3	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.8
GE 12000	9.2	32.8	36.0	38.3	39.6	40.3	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.8
GE 10000	9.7	35.3	38.6	40.9	42.1	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.3
GE 9000	9.7	35.6	38.8	41.1	42.3	43.2	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.7
GE 8000	10.6	38.0	41.3	43.7	45.2	46.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.0
GE 7000	10.6	38.6	42.0	44.3	45.9	47.1	47.4	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.1
GE 6000	10.8	40.1	44.3	46.8	48.3	49.8	50.4	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1
GE 5000	10.9	41.9	46.1	48.8	50.9	52.4	53.1	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0
GE 4500	11.0	43.7	48.1	50.8	53.2	54.8	55.4	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3
GE 4000	11.2	46.1	50.8	53.4	56.0	57.7	58.3	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
GE 3500	11.9	47.6	52.6	55.4	58.0	59.8	60.4	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3
GE 3000	12.6	50.0	55.2	58.2	60.9	62.7	63.3	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
GE 2500	13.4	52.9	58.3	61.3	64.0	65.8	66.4	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3
GE 2000	14.1	55.9	62.0	65.7	68.7	70.6	71.3	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
GE 1800	14.1	56.6	63.0	66.7	69.7	71.6	72.3	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4
GE 1600	14.1	59.8	66.9	71.3	75.0	76.9	77.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9
GE 1200	14.1	60.9	68.1	72.9	76.9	78.8	79.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0
GE 1000	14.2	61.9	69.8	74.8	79.1	81.1	82.1	83.2	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.8
GE 900	14.2	62.4	70.4	75.6	80.2	82.3	83.4	84.6	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.1
GE 800	14.2	62.9	71.1	76.7	82.0	84.2	85.3	86.4	86.7	86.7	86.8	86.8	86.8	86.8	86.8	87.0
GE 700	14.2	63.2	71.7	77.4	83.7	86.0	87.4	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9	89.1
GE 600	14.2	63.2	71.8	77.8	84.7	87.1	89.1	90.6	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.7
GE 500	14.2	63.4	72.6	78.9	86.3	88.9	91.1	92.6	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.9
GE 400	14.2	63.4	72.6	79.0	86.6	90.0	92.3	93.9	94.8	95.6	96.0	96.1	96.2	96.2	96.2	96.4
GE 300	14.2	63.6	72.7	79.1	86.8	90.3	92.9	95.0	96.2	97.3	98.1	98.2	98.3	98.3	98.3	98.6
GE 200	14.2	63.6	72.7	79.1	86.9	90.4	93.0	95.2	96.4	97.8	98.9	98.9	99.1	99.3	99.3	99.6
GE 100	14.2	63.6	72.7	79.1	86.9	90.4	93.0	95.2	96.4	97.8	98.8	98.9	99.1	99.3	99.4	99.9
GE 0	14.2	63.6	72.7	79.1	86.9	90.4	93.0	95.2	96.4	97.8	98.8	98.9	99.1	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	10.7	32.1	33.9	34.3	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	
GE 20000	11.9	35.8	37.9	38.7	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	
GE 18000	12.4	36.4	38.9	39.7	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	
GE 16000	12.4	36.4	38.9	39.7	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	
GE 14000	12.8	36.9	39.4	40.2	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	
GE 12000	13.2	38.2	40.9	41.7	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	
GE 10000	13.6	40.7	43.3	44.1	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	
GE 9000	13.6	41.0	43.7	44.4	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	
GE 8000	13.8	42.3	45.0	46.0	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	
GE 7000	13.9	43.2	46.0	47.1	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	
GE 6000	13.9	44.0	47.1	48.2	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	
GE 5000	14.3	46.7	49.9	51.1	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	
GE 4500	14.4	48.0	51.3	52.8	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	
GE 4000	15.1	49.8	53.3	55.0	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
GE 3500	16.0	51.7	55.4	57.3	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	
GE 3000	17.0	55.9	59.9	62.1	63.6	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	
GE 2500	18.2	59.4	63.4	65.8	67.4	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	
GE 2000	19.1	64.8	68.9	71.3	73.3	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	
GE 1800	19.3	65.6	69.9	72.3	74.4	74.9	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
GE 1500	19.4	68.7	73.6	76.4	79.0	79.6	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	
GE 1200	19.4	70.6	75.8	79.3	82.0	82.8	83.1	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	
GE 1000	19.6	71.8	77.2	81.2	84.6	85.4	86.4	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	
GE 900	19.7	72.2	77.8	82.2	85.9	86.8	87.8	88.3	88.3	88.4	88.6	88.6	88.6	88.6	88.6	88.6	
GE 800	19.7	72.7	78.8	83.4	87.4	88.4	89.4	90.0	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4	
GE 700	19.7	73.1	79.3	84.3	88.9	90.1	91.3	92.0	92.2	92.4	92.7	92.7	92.7	92.7	92.7	92.7	
GE 600	19.7	73.4	79.9	85.2	90.6	92.1	93.4	94.1	94.3	94.6	94.8	94.8	94.8	94.8	94.8	94.8	
GE 500	19.7	73.9	80.4	85.8	91.4	93.0	94.6	95.3	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	
GE 400	19.7	74.1	80.7	86.0	92.0	93.9	95.6	96.6	97.1	97.4	97.8	97.8	97.8	97.8	97.8	97.8	
GE 300	19.7	74.1	80.7	86.0	92.3	94.4	96.2	97.3	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	
GE 200	19.7	74.1	80.7	86.1	92.4	94.6	96.4	97.6	98.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	19.7	74.1	80.7	86.1	92.4	94.6	96.4	97.6	98.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	19.7	74.1	80.7	86.1	92.4	94.6	96.4	97.6	98.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	9.4	29.7	31.7	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 20000	12.2	36.3	38.4	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 18000	12.4	37.2	39.3	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 16000	12.4	37.4	39.6	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 14000	12.6	38.0	40.1	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 12000	13.0	39.0	41.4	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 10000	13.4	41.7	44.2	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 9000	13.7	42.4	45.1	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 8000	14.9	45.9	48.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 7000	15.1	47.9	50.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 6000	15.1	49.3	52.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 5000	15.9	51.4	54.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 4500	16.3	52.6	55.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 4000	16.8	53.3	56.6	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 3500	17.6	54.9	58.2	59.2	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 3000	18.6	58.6	62.1	63.2	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 2500	19.7	63.2	66.9	68.0	68.9	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 2000	20.6	68.4	72.2	73.7	74.7	74.9	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 1800	20.8	69.8	74.0	75.6	76.6	76.8	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 1500	21.1	72.3	77.1	79.7	81.3	81.3	81.7	82.1	82.1	82.1	82.1	82.3	82.3	82.3	82.4	82.4	82.4
GE 1200	21.3	73.9	79.1	82.2	83.6	83.9	84.4	85.0	85.0	85.0	85.0	85.2	85.2	85.2	85.3	85.3	85.3
GE 1000	21.3	75.0	80.6	84.0	85.3	86.0	86.8	87.4	87.4	87.4	87.6	88.0	88.0	88.0	88.1	88.1	88.1
GE 900	21.3	75.3	81.2	84.8	86.1	87.0	87.8	88.4	88.4	88.4	88.6	89.0	89.0	89.0	89.1	89.1	89.1
GE 800	21.3	75.6	81.9	85.9	87.6	88.8	89.7	90.4	90.6	90.6	91.0	91.4	91.4	91.4	91.6	91.6	91.6
GE 700	21.4	76.0	82.3	86.3	88.6	90.2	91.1	92.2	92.3	92.3	92.8	93.2	93.2	93.2	93.3	93.3	93.3
GE 600	21.4	76.2	82.7	86.8	89.3	91.1	92.4	93.8	93.9	94.4	95.1	95.1	95.1	95.1	95.2	95.2	95.2
GE 500	21.4	76.2	82.9	87.0	89.7	92.1	94.0	95.6	95.8	96.6	97.2	97.2	97.2	97.2	97.3	97.3	97.3
GE 400	21.4	76.2	83.0	87.2	90.2	93.0	95.2	97.1	97.4	98.3	99.0	99.0	99.0	99.0	99.1	99.1	99.1
GE 300	21.4	76.2	83.0	87.2	90.3	93.1	95.3	97.3	97.7	98.6	99.3	99.3	99.3	99.3	99.4	99.4	99.4
GE 200	21.4	76.2	83.0	87.2	90.3	93.1	95.3	97.3	97.8	98.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
GE 100	21.4	76.2	83.0	87.2	90.3	93.1	95.3	97.3	97.8	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
GE 01	21.4	76.2	83.0	87.2	90.3	93.1	95.3	97.3	97.8	98.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 (SAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	13.0	32.9	33.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 20000	14.8	38.0	39.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 18000	14.8	38.4	39.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 16000	14.8	38.8	40.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 14000	14.8	39.4	40.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 12000	15.1	40.8	42.2	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 10000	15.6	43.1	45.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 9000	16.0	43.9	45.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 8000	16.8	46.3	48.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 7000	17.1	48.0	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 6000	17.4	49.6	51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 5000	17.9	51.9	54.6	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 4500	18.1	53.4	56.3	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 4000	18.8	55.8	58.8	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 3500	19.3	57.7	60.7	63.0	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 3000	19.9	60.2	63.3	66.0	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 2500	20.9	64.9	68.2	71.0	71.8	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 2000	22.2	70.0	73.7	76.8	78.0	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 1800	22.4	70.4	74.7	78.0	79.3	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 1500	23.0	72.7	77.2	80.6	82.2	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 1200	23.0	74.2	79.3	83.0	85.2	86.1	86.3	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1000	23.1	75.7	81.2	85.6	88.0	89.0	89.2	89.3	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 900	23.1	75.8	81.3	85.8	88.2	89.4	89.9	90.0	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 800	23.1	75.8	81.8	86.4	89.1	90.3	91.0	91.2	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 700	23.1	75.9	82.1	87.0	90.2	92.0	93.1	93.3	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 600	23.1	75.9	82.2	87.2	91.1	93.0	94.6	95.0	95.6	96.0	96.0	96.0	96.0	96.1	96.1	96.1
GE 500	23.1	75.9	82.3	87.3	91.4	93.7	95.4	96.0	96.9	97.3	97.3	97.3	97.3	97.4	97.4	97.4
GE 400	23.1	75.9	82.3	87.4	91.6	93.8	95.7	96.3	97.2	97.8	97.9	97.9	97.9	98.1	98.1	98.1
GE 300	23.1	75.9	82.3	87.4	91.6	93.9	95.9	96.8	97.8	98.0	98.2	98.2	98.2	98.3	98.3	98.3
GE 200	23.1	75.9	82.3	87.4	91.6	93.9	95.9	96.8	97.8	98.0	98.2	98.2	98.2	98.3	98.3	98.3
GE 100	23.1	75.9	82.3	87.4	91.6	93.9	95.9	97.0	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3
GE 0	23.1	75.9	82.3	87.4	91.6	93.9	95.9	97.0	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	16.4	33.8	34.6	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 20000	18.4	37.9	38.8	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 18000	18.4	37.9	38.6	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 16000	18.4	38.1	39.0	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 14000	18.4	38.7	39.7	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 12000	18.4	39.4	40.4	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 10000	19.3	43.7	45.1	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 9000	19.4	43.9	45.3	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 8000	20.6	47.2	48.8	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 7000	21.3	49.3	50.9	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 6000	21.7	51.3	53.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 5000	22.2	56.2	58.2	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4500	22.3	57.9	60.2	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 4000	22.7	59.2	61.8	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 3500	23.1	60.7	63.6	65.1	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 3000	23.8	63.3	66.2	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 2500	24.7	67.1	70.2	72.3	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 2000	26.0	70.2	73.3	75.7	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1800	26.1	71.7	74.9	77.3	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 1600	26.7	74.8	78.2	80.8	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 1400	26.7	76.0	79.6	82.3	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1200	26.8	77.2	80.9	83.8	85.7	86.3	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1000	26.8	77.4	81.4	84.6	86.6	87.3	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 900	26.8	77.9	82.1	85.7	88.0	88.9	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 800	26.9	78.4	82.8	86.6	89.6	90.7	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 700	26.9	78.6	82.9	87.4	91.2	92.3	93.3	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9
GE 600	26.9	78.6	82.9	87.4	91.2	92.3	93.3	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9
GE 500	26.9	78.6	82.9	87.4	91.2	92.3	93.3	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9
GE 400	26.9	78.7	83.0	87.9	91.8	93.3	95.6	96.1	96.2	96.7	96.9	96.9	96.9	96.9	96.9
GE 300	26.9	78.7	83.0	87.9	92.0	93.8	96.0	96.6	96.7	97.3	97.6	97.6	97.7	97.8	97.8
GE 200	26.9	78.7	83.0	87.9	92.0	93.8	96.2	96.8	96.9	97.6	98.0	98.0	98.2	98.4	98.9
GE 100	26.9	78.7	83.0	87.9	92.0	93.8	96.2	96.8	96.9	97.7	98.3	98.3	98.6	98.8	99.7
GE 0	26.9	78.7	83.0	87.9	92.0	93.8	96.2	96.8	96.9	97.7	98.3	98.4	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): ALL

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	1	12.0	32.0	33.9	34.8	35.3	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.7	
GE 20000	14.3	35.7	37.8	38.9	39.5	39.7	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.0	
GE 18000	14.4	36.0	38.2	39.3	39.9	40.1	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.4	
GE 16000	14.4	36.2	38.4	39.5	40.0	40.2	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	
GE 14000	14.5	36.5	38.8	39.9	40.5	40.7	40.8	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	
GE 12000	14.7	37.4	39.8	41.0	41.7	41.9	42.1	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	
GE 10000	15.1	39.9	42.5	43.8	44.4	44.7	44.8	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	
GE 9000	15.3	40.3	42.9	44.2	44.9	45.2	45.3	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	
GE 8000	16.1	42.7	45.4	46.8	47.5	47.9	48.0	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	
GE 7000	16.5	44.3	47.1	48.5	49.2	49.6	49.8	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	
GE 6000	16.7	46.0	48.9	50.4	51.2	51.7	51.9	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	
GE 5000	17.3	49.3	52.5	54.3	55.3	55.8	56.1	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	
GE 4500	17.8	51.2	54.6	56.4	57.5	58.1	58.4	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	
GE 4000	18.3	53.0	56.6	58.4	59.7	60.3	60.6	60.8	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	
GE 3500	18.8	54.5	58.3	60.2	61.6	62.2	62.6	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
GE 3000	19.7	57.5	61.4	63.6	65.1	65.8	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	
GE 2500	20.6	61.0	65.1	67.4	69.0	69.7	70.2	70.4	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	
GE 2000	21.7	65.0	69.3	72.0	74.0	74.8	75.2	75.5	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	
GE 1800	21.9	65.8	70.4	73.2	75.2	75.9	76.4	76.7	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	
GE 1500	22.3	68.6	73.7	76.8	79.2	80.0	80.6	80.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	
GE 1200	22.3	70.0	75.4	78.9	81.5	82.4	83.1	83.5	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.9	
GE 1000	22.4	71.1	76.8	80.6	83.5	84.6	85.4	85.9	86.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	
GE 900	22.4	71.4	77.3	81.3	84.3	85.5	86.4	87.0	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.5	
GE 800	22.4	71.6	77.9	82.3	85.6	86.9	88.1	88.6	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.3	
GE 700	22.4	72.3	78.5	83.1	86.9	88.5	89.8	90.5	90.7	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.3	
GE 600	22.4	72.6	79.0	83.8	88.3	90.1	91.8	92.7	93.0	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	
GE 500	22.4	72.7	79.3	84.3	89.1	91.1	93.0	94.0	94.5	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.4	
GE 400	22.4	72.7	79.4	84.4	89.5	91.8	94.0	95.3	95.8	96.5	96.9	97.0	97.0	97.0	97.1	97.1	97.1	
GE 300	22.4	72.7	79.4	84.5	89.7	92.1	94.4	95.9	96.5	97.5	98.1	98.2	98.3	98.3	98.3	98.3	98.4	
GE 200	22.4	72.7	79.4	84.5	89.8	92.1	94.5	96.1	96.8	97.8	98.6	98.7	98.9	99.0	99.1	99.1	99.2	
GE 100	22.4	72.7	79.4	84.5	89.8	92.1	94.5	96.1	96.8	97.8	98.8	98.9	99.1	99.2	99.3	99.3	99.4	
GE 0	22.4	72.7	79.4	84.5	89.8	92.1	94.5	96.1	96.8	97.8	98.8	98.9	99.1	99.3	99.6	100.0		

TOTAL NUMBER OF OBSERVATIONS: 7200



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	16.3	31.2	32.8	33.4	33.8	33.8	33.8	33.8	33.8	33.9	33.9	33.9	33.9	34.0	34.1	34.1
GE 20000	16.6	32.3	34.0	34.6	34.9	34.9	34.9	34.9	34.9	35.1	35.1	35.1	35.1	35.2	35.3	35.3
GE 18000	16.6	32.6	34.3	34.9	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.5	35.6	35.6
GE 16000	16.6	32.6	34.3	34.9	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.5	35.6	35.6
GE 14000	17.1	33.1	34.9	35.7	36.0	36.0	36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.2	36.3	36.3
GE 12000	18.0	34.2	36.0	36.8	37.1	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.3	37.4	37.4
GE 10000	20.3	37.8	39.9	40.8	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.3	41.4	41.4
GE 9000	20.4	38.5	40.5	41.4	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.9	42.0	42.0
GE 8000	20.8	39.7	41.7	42.7	43.0	43.0	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.5	43.7	43.7
GE 7000	20.8	39.9	42.0	43.1	43.4	43.4	43.8	43.8	43.8	43.9	43.9	43.9	43.9	44.0	44.1	44.1
GE 6000	21.1	41.2	43.3	44.6	44.9	44.9	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.5	45.6	45.6
GE 5000	22.5	43.3	46.1	47.5	48.0	48.1	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.7	48.8	48.8
GE 4500	23.0	44.5	47.7	49.5	49.9	50.1	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.8	50.9	50.9
GE 4000	23.4	45.6	49.1	50.9	51.4	51.6	52.0	52.0	52.0	52.2	52.2	52.2	52.2	52.3	52.4	52.4
GE 3500	23.5	46.5	50.1	51.8	52.6	52.8	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.4	53.5	53.5
GE 3000	24.5	48.9	53.5	55.6	56.7	56.9	57.3	57.5	57.5	57.6	57.6	57.6	57.6	57.7	57.8	57.8
GE 2500	25.7	52.8	58.3	60.6	62.7	62.9	63.4	63.7	63.7	63.8	63.8	63.8	63.8	63.9	64.0	64.0
GE 2000	26.3	55.8	62.4	64.8	67.4	67.6	68.3	68.5	68.5	68.6	68.6	68.6	68.6	68.7	68.8	68.8
GE 1800	26.8	56.8	63.3	65.9	68.5	68.7	69.4	69.6	69.6	69.7	69.7	69.7	69.7	69.8	69.9	69.9
GE 1500	27.1	58.7	66.2	69.4	72.2	72.4	73.0	73.3	73.4	73.5	73.5	73.5	73.5	73.7	73.8	73.8
GE 1200	27.2	60.5	68.7	71.8	75.1	75.3	75.9	76.3	76.5	76.6	76.6	76.6	76.6	76.7	76.8	76.8
GE 1000	27.5	62.6	71.0	74.2	77.4	77.7	78.8	79.2	79.4	79.5	79.5	79.5	79.5	79.6	79.7	79.7
GE 900	27.6	63.7	72.6	75.9	79.6	79.9	81.0	81.5	81.6	81.7	81.7	81.7	81.7	81.8	81.9	81.9
GE 800	27.6	64.2	73.2	76.8	80.5	81.0	82.2	82.8	83.0	83.2	83.2	83.2	83.2	83.3	83.4	83.4
GE 700	27.6	64.5	73.5	77.2	81.5	82.3	83.7	84.7	84.9	85.3	85.3	85.3	85.3	85.4	85.5	85.5
GE 600	27.6	64.5	73.9	77.6	82.5	83.2	84.8	85.9	86.3	87.1	87.1	87.1	87.1	87.2	87.3	87.3
GE 500	27.8	64.8	74.4	78.4	83.7	84.4	86.6	87.8	88.3	89.0	89.4	89.5	90.0	90.2	90.3	90.3
GE 400	27.8	64.9	74.7	78.7	84.2	85.4	88.2	89.8	90.3	91.3	91.6	91.7	92.5	92.7	92.8	92.8
GE 300	27.8	64.9	74.7	78.8	84.3	85.5	88.9	90.6	91.3	92.7	93.0	93.7	94.5	95.3	95.4	95.7
GE 200	27.8	64.9	74.7	78.8	84.3	85.5	89.0	91.0	91.6	93.1	93.9	94.6	96.0	96.8	96.9	97.7
GE 100	27.8	64.9	74.7	78.8	84.3	85.5	89.0	91.0	91.7	93.3	94.1	94.8	96.6	97.4	98.0	99.4
GE 0	27.8	64.9	74.7	78.8	84.3	85.5	89.0	91.0	91.7	93.3	94.1	94.8	96.6	97.4	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	15.4	30.6	32.2	33.7	33.8	34.0	34.1	34.1	34.1	34.3	34.5	34.6	34.6	34.6	34.7	34.9
GE 20000	16.0	32.9	34.4	35.9	36.0	36.2	36.3	36.3	36.3	36.6	36.8	36.9	36.9	36.9	37.0	37.2
GE 18000	16.0	33.1	34.6	36.1	36.2	36.5	36.6	36.6	36.6	36.8	37.0	37.1	37.1	37.1	37.2	37.4
GE 16000	16.0	33.1	34.6	36.1	36.2	36.5	36.6	36.6	36.6	36.8	37.0	37.1	37.1	37.1	37.2	37.4
GE 14000	16.3	33.4	35.1	36.6	36.7	36.9	37.0	37.0	37.0	37.2	37.4	37.5	37.5	37.5	37.6	37.8
GE 12000	17.2	34.6	36.2	37.7	37.8	38.1	38.2	38.2	38.2	38.4	38.6	38.7	38.7	38.7	38.8	39.0
GE 10000	18.1	36.5	38.3	40.1	40.2	40.4	40.5	40.5	40.5	40.8	41.0	41.1	41.1	41.2	41.4	41.6
GE 9000	18.1	37.1	38.9	40.8	40.9	41.1	41.2	41.2	41.2	41.4	41.6	41.7	41.7	41.8	42.0	42.3
GE 8000	19.1	38.4	40.2	42.0	42.2	42.4	42.6	42.6	42.6	42.8	43.1	43.2	43.2	43.3	43.5	43.8
GE 7000	19.1	38.5	40.3	42.2	42.3	42.5	42.7	42.7	42.7	42.9	43.2	43.3	43.3	43.4	43.7	43.9
GE 6000	19.6	40.3	42.2	44.1	44.2	44.4	44.7	44.7	44.7	44.9	45.3	45.4	45.4	45.5	45.7	45.9
GE 5000	20.2	41.7	43.8	45.7	45.8	46.0	46.3	46.3	46.7	46.9	47.2	47.3	47.3	47.4	47.6	47.8
GE 4500	21.2	44.0	46.1	48.6	48.8	49.1	49.5	49.5	49.8	50.0	50.3	50.4	50.4	50.5	50.8	51.0
GE 4000	21.4	45.3	48.1	50.5	51.1	51.4	51.7	51.7	52.0	52.3	52.6	52.7	52.7	52.8	53.0	53.2
GE 3500	22.0	46.7	49.8	52.3	52.8	53.1	53.4	53.4	53.8	54.0	54.3	54.4	54.4	54.5	54.7	54.9
GE 3000	22.6	48.5	52.0	54.7	55.3	55.6	55.9	55.9	56.2	56.5	56.8	56.9	56.9	57.0	57.2	57.4
GE 2500	22.9	49.9	53.5	57.0	58.0	58.4	59.7	59.0	59.4	59.6	59.9	60.0	60.0	60.1	60.3	60.5
GE 2000	24.3	54.0	57.8	61.7	63.3	64.1	64.7	64.7	65.2	65.4	65.8	65.9	66.7	66.7	66.8	66.9
GE 1800	24.7	55.1	59.1	63.1	64.7	65.5	66.1	66.2	66.9	67.2	67.6	67.7	67.8	68.0	68.2	68.4
GE 1500	25.2	57.3	61.6	65.8	67.6	68.4	69.2	69.5	70.2	70.5	71.1	71.2	71.3	71.4	71.9	72.2
GE 1200	25.2	60.2	64.8	69.1	71.3	72.0	72.9	73.3	74.1	74.4	74.9	75.1	75.2	75.3	75.8	76.0
GE 1000	25.3	62.4	67.3	71.8	74.7	75.5	76.3	77.3	78.1	78.4	78.9	79.0	79.1	79.2	79.8	80.0
GE 900	25.5	63.0	68.1	72.6	75.8	76.6	77.4	78.4	79.1	79.6	80.1	80.2	80.3	80.4	81.0	81.2
GE 800	25.6	64.0	69.1	74.0	77.3	78.2	79.0	80.3	81.3	81.7	82.3	82.4	82.6	82.7	83.2	83.4
GE 700	25.8	64.4	69.9	74.7	78.5	79.5	81.0	82.4	83.4	83.9	84.4	84.5	85.1	85.2	85.7	85.9
GE 600	25.8	64.9	70.4	75.3	79.5	80.6	82.2	83.8	84.9	85.5	86.1	86.2	86.9	86.9	87.7	88.0
GE 500	25.8	65.5	71.2	76.7	81.1	82.6	84.3	86.1	87.3	88.3	89.4	89.5	90.0	90.1	91.0	91.2
GE 400	25.8	65.7	71.5	77.2	81.7	83.8	85.9	88.3	89.5	90.4	91.5	91.6	92.4	92.5	93.3	93.5
GE 300	25.8	65.8	71.6	77.4	82.0	84.4	86.7	89.0	90.4	91.8	92.9	93.3	94.1	94.6	95.5	96.0
GE 200	25.8	65.8	71.6	77.4	82.0	84.6	87.0	89.9	91.5	93.2	94.6	95.2	96.3	97.0	97.8	98.7
GE 100	25.8	65.8	71.6	77.4	82.0	84.6	87.0	89.9	91.5	93.5	95.1	95.7	97.0	97.7	98.9	99.8
GE 0	25.8	65.8	71.6	77.4	82.0	84.6	87.0	89.9	91.5	93.5	95.1	95.7	97.0	97.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	12.2	26.6	27.8	29.7	30.8	31.0	31.4	31.7	31.7	31.8	32.0	32.0	32.4	32.4	32.6	32.6	
GE 20000	13.4	29.0	30.3	32.2	33.3	33.5	34.0	34.3	34.3	34.4	34.6	34.6	34.6	34.9	34.9	35.2	35.2
GE 18000	13.4	29.0	30.3	32.2	33.3	33.5	34.0	34.3	34.3	34.4	34.6	34.6	34.6	34.9	34.9	35.2	35.2
GE 16000	13.4	29.0	30.3	32.2	33.3	33.5	34.0	34.3	34.3	34.4	34.6	34.6	34.6	34.9	34.9	35.2	35.2
GE 14000	13.4	29.1	30.4	32.3	33.4	33.7	34.1	34.4	34.4	34.5	34.7	34.7	35.1	35.1	35.3	35.3	
GE 12000	13.4	30.1	31.4	33.2	34.4	34.6	35.1	35.4	35.4	35.5	35.7	35.7	36.0	36.0	36.2	36.2	
GE 10000	14.8	32.0	33.7	35.7	36.9	37.1	37.5	37.8	37.8	38.0	38.2	38.2	38.5	38.5	38.8	38.7	38.7
GE 9000	14.8	32.4	34.0	36.0	37.2	37.4	37.8	38.2	38.2	38.3	38.5	38.5	38.8	38.8	39.0	39.0	
GE 8000	15.4	33.8	35.5	37.5	38.8	39.0	39.5	39.8	39.8	39.9	40.1	40.1	40.4	40.4	40.6	40.6	
GE 7000	15.6	34.1	35.8	37.8	39.1	39.5	39.9	40.2	40.2	40.3	40.5	40.5	40.9	40.9	41.1	41.1	
GE 6000	16.2	35.2	37.1	39.4	40.8	41.1	41.5	41.8	41.8	41.9	42.2	42.2	42.5	42.5	42.7	42.7	
GE 5000	16.3	37.1	39.4	41.7	43.1	43.4	43.9	44.2	44.2	44.3	44.5	44.5	44.8	44.8	45.1	45.1	
GE 4500	16.5	38.5	41.0	43.5	45.1	45.4	46.0	46.5	46.5	46.6	46.8	46.8	47.1	47.1	47.3	47.3	
GE 4000	16.9	40.5	43.2	45.9	47.8	48.3	48.9	49.4	49.4	49.5	49.7	49.7	50.0	50.0	50.2	50.2	
GE 3500	17.2	41.8	44.7	47.5	49.7	50.1	50.9	51.5	51.5	51.6	51.9	51.9	52.3	52.3	52.5	52.5	
GE 3000	18.1	44.1	47.4	50.3	53.2	53.7	54.4	55.1	55.1	55.2	55.5	55.5	55.8	55.8	56.0	56.0	
GE 2500	18.8	46.2	49.6	52.6	55.9	56.6	57.4	58.1	58.1	58.3	58.6	58.6	58.9	58.9	59.1	59.1	
GE 2000	19.4	49.6	53.5	56.9	60.5	61.8	62.7	63.3	63.3	63.5	63.9	63.9	64.2	64.2	64.4	64.4	
GE 1800	19.4	50.0	54.0	57.3	61.1	62.5	63.7	64.6	64.6	64.8	65.2	65.2	65.5	65.5	65.7	65.7	
GE 1500	19.5	51.7	55.8	59.6	63.8	65.3	66.6	67.6	67.6	68.0	68.3	68.3	68.6	68.6	68.8	68.8	
GE 1200	19.7	55.3	59.6	63.9	68.3	69.8	71.2	72.5	72.5	72.8	73.2	73.2	73.5	73.5	73.8	73.8	
GE 1000	19.8	56.6	61.3	66.1	71.2	72.7	74.3	75.8	75.8	76.1	76.6	76.6	76.9	76.9	77.1	77.1	
GE 900	19.8	57.2	62.0	67.0	72.3	74.0	75.6	77.1	77.1	77.6	78.1	78.1	78.4	78.4	78.6	78.6	
GE 800	20.0	58.5	63.5	68.8	74.7	76.7	78.5	80.0	80.0	80.5	81.0	81.0	81.3	81.3	81.5	81.5	
GE 700	20.0	58.7	63.8	69.0	75.4	77.4	79.7	81.4	81.4	81.9	82.4	82.4	82.8	82.8	83.0	83.0	
GE 600	20.0	59.6	64.7	70.1	76.9	79.0	81.7	83.8	83.9	84.4	84.8	84.8	85.3	85.3	85.5	85.5	
GE 500	20.1	59.8	65.2	71.0	78.5	80.8	83.5	85.9	86.0	86.7	87.3	87.4	87.8	87.8	88.3	88.4	
GE 400	20.1	59.9	65.5	71.6	79.6	82.4	85.7	88.6	88.7	89.4	90.4	90.5	91.0	91.0	91.4	91.5	
GE 300	20.1	59.9	65.5	71.6	79.7	82.5	86.2	89.9	90.2	91.4	92.7	93.2	94.4	94.8	95.4	95.5	
GE 200	20.1	59.9	65.5	71.6	79.7	82.6	86.6	90.4	90.9	92.3	94.1	94.8	96.5	96.9	97.6	98.2	
GE 100	20.1	59.9	65.5	71.6	79.7	82.6	86.6	90.4	90.9	92.3	94.2	94.9	96.6	97.2	98.2	99.2	
GE 0	20.1	59.9	65.5	71.6	79.7	82.6	86.6	90.4	90.9	92.3	94.2	94.9	96.6	97.2	98.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	7.5	22.4	23.8	25.4	26.5	26.8	26.8	26.8	26.9	27.0	27.1	27.3	27.7	27.7	27.7	27.7
GE 20000	8.7	24.9	26.7	28.5	29.7	30.3	30.3	30.3	30.4	30.5	30.6	30.9	31.3	31.3	31.3	31.3
GE 18000	8.7	25.1	26.8	28.6	29.8	30.4	30.4	30.4	30.5	30.6	30.8	31.0	31.4	31.4	31.4	31.4
GE 16000	8.7	25.1	26.8	28.6	29.8	30.4	30.4	30.4	30.5	30.6	30.8	31.0	31.4	31.4	31.4	31.4
GE 14000	8.7	25.1	26.8	28.6	29.9	30.6	30.6	30.6	30.8	30.9	31.0	31.2	31.6	31.6	31.6	31.6
GE 12000	8.8	26.0	28.0	29.9	31.3	32.0	32.0	32.0	32.2	32.3	32.4	32.6	33.0	33.0	33.0	33.0
GE 10000	10.3	28.9	30.9	32.8	34.3	35.1	35.1	35.1	35.2	35.3	35.4	35.6	36.0	36.0	36.0	36.0
GE 9000	10.6	29.8	31.7	33.7	35.2	35.9	35.9	35.9	36.0	36.1	36.2	36.5	36.9	36.9	36.9	36.9
GE 8000	11.2	31.6	33.7	35.6	37.3	38.1	38.1	38.1	38.2	38.3	38.4	38.6	39.0	39.0	39.0	39.0
GE 7000	11.7	33.4	35.6	37.7	39.6	40.6	40.6	40.6	40.8	40.9	41.0	41.2	41.6	41.6	41.6	41.6
GE 6000	12.6	34.9	37.4	39.7	41.6	42.7	42.8	42.8	42.9	43.0	43.1	43.3	43.8	43.8	43.8	43.8
GE 5000	13.1	36.2	39.0	41.4	43.3	44.4	44.5	44.5	44.6	44.7	44.8	45.1	45.5	45.5	45.5	45.5
GE 4500	13.1	37.0	39.8	42.4	44.5	45.6	45.7	45.7	45.8	45.9	46.0	46.2	46.7	46.7	46.7	46.7
GE 4000	13.2	38.9	42.2	44.7	47.2	48.3	48.4	48.4	48.5	48.6	48.7	48.9	49.4	49.4	49.4	49.4
GE 3500	13.7	40.3	43.5	46.1	48.7	49.8	50.1	50.1	50.2	50.4	50.5	50.8	51.2	51.2	51.2	51.2
GE 3000	13.9	42.2	45.9	48.7	52.0	53.2	53.9	53.9	54.0	54.2	54.3	54.5	55.1	55.1	55.1	55.1
GE 2500	14.3	43.9	48.0	51.1	54.7	56.2	57.0	57.1	57.4	57.6	57.7	58.0	58.5	58.5	58.5	58.5
GE 2000	14.7	47.4	52.2	55.6	59.6	61.1	61.8	62.0	62.4	62.8	62.9	63.1	63.8	63.8	63.8	63.8
GE 1800	14.7	47.8	52.7	56.1	60.1	61.6	62.5	62.7	63.0	63.4	63.5	63.8	64.4	64.4	64.4	64.4
GE 1500	15.3	50.6	55.5	59.1	63.4	65.4	66.8	67.3	67.7	68.2	68.3	68.5	69.1	69.1	69.1	69.1
GE 1200	15.5	53.7	59.0	63.2	67.7	69.7	71.2	71.7	72.4	72.9	73.3	73.2	74.1	74.2	74.2	74.2
GE 1000	15.5	54.7	60.3	65.2	70.1	72.4	74.0	74.5	75.4	76.0	76.1	76.3	77.2	77.3	77.3	77.3
GE 900	15.5	55.3	61.2	66.0	71.0	73.2	74.8	75.5	76.5	77.2	77.3	77.5	78.4	78.5	78.5	78.5
GE 800	15.5	55.9	62.2	67.5	73.2	75.4	77.4	78.2	79.1	79.9	80.0	80.3	81.4	81.6	81.6	81.6
GE 700	15.5	56.1	62.6	68.1	74.0	77.1	78.9	79.7	80.8	81.6	81.7	82.0	83.3	83.5	83.5	83.5
GE 600	15.5	56.5	63.1	68.9	75.4	78.6	80.8	81.8	83.0	83.9	84.0	84.3	85.8	86.0	86.2	86.2
GE 500	15.5	56.7	63.3	69.2	76.6	80.5	83.0	84.6	85.8	86.9	87.1	87.4	89.1	89.6	89.9	89.9
GE 400	15.5	56.8	63.4	69.4	77.3	81.4	83.9	86.0	87.2	88.6	89.0	89.4	91.3	91.9	92.3	92.3
GE 300	15.5	56.8	63.4	69.4	77.3	81.4	84.0	86.7	88.1	90.0	90.6	91.2	93.8	94.7	95.4	95.4
GE 200	15.5	56.8	63.4	69.4	77.4	81.5	84.2	87.0	88.5	90.6	91.9	92.5	95.9	97.0	97.6	98.2
GE 100	15.5	56.8	63.4	69.4	77.4	81.5	84.2	87.0	88.6	90.8	92.2	92.7	96.2	97.3	98.7	99.6
GE 0	15.5	56.8	63.4	69.4	77.4	81.5	84.2	87.0	88.6	90.8	92.2	92.7	96.2	97.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	8.9	24.3	26.1	27.3	27.7	28.0	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1
GE 20000	9.9	27.1	29.2	30.2	31.1	31.3	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4
GE 18000	10.0	27.3	29.5	30.4	31.3	31.5	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 16000	10.0	27.3	29.5	30.4	31.3	31.5	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 14000	10.1	27.5	29.7	30.6	31.5	31.7	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8
GE 12000	10.1	28.1	30.4	31.5	32.4	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 10000	11.6	30.9	33.2	34.3	35.2	35.4	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 9000	11.8	31.5	33.9	34.9	35.8	36.0	36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 8000	12.7	33.5	36.0	37.1	38.1	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 7000	13.2	35.4	38.0	39.0	40.0	40.2	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 6000	14.0	36.9	39.6	40.6	41.6	41.8	41.8	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 5000	14.5	38.5	41.2	42.3	43.3	43.5	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 4500	14.5	38.9	41.8	43.2	44.3	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 4000	14.8	40.8	44.0	45.5	46.6	47.0	47.0	47.1	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 3500	14.9	42.9	46.2	47.7	48.8	49.2	49.2	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 3000	15.9	46.2	50.3	52.0	53.3	53.9	54.1	54.2	54.3	54.7	54.7	54.7	55.1	55.1	55.1	55.1
GE 2500	16.6	49.2	53.4	55.8	57.6	58.4	58.6	58.9	59.0	59.5	59.5	59.5	59.9	59.9	59.9	59.9
GE 2000	16.9	52.7	57.4	60.0	61.9	62.8	63.2	63.5	63.7	64.3	64.3	64.4	65.2	65.2	65.3	65.3
GE 1800	16.9	53.5	58.3	60.9	62.8	63.8	64.2	64.5	64.6	65.3	65.3	65.4	66.1	66.1	66.2	66.2
GE 1500	17.2	57.0	62.7	65.5	67.6	68.7	69.2	69.7	69.9	70.5	70.5	70.6	71.4	71.4	71.5	71.5
GE 1200	17.3	59.0	65.3	68.4	70.9	72.3	73.1	73.7	74.2	74.9	74.9	75.1	75.8	75.8	75.9	75.9
GE 1000	17.3	59.7	66.8	70.1	72.9	74.6	75.5	76.0	76.6	77.3	77.5	77.6	78.4	78.4	78.7	78.7
GE 900	17.3	60.3	67.7	71.3	74.2	75.9	77.0	77.5	78.1	78.8	79.0	79.1	79.9	79.9	80.2	80.2
GE 800	17.3	61.1	69.1	72.9	76.2	78.2	79.4	80.0	80.5	81.3	81.5	81.6	82.5	82.5	82.8	82.8
GE 700	17.3	61.4	69.7	73.8	77.6	79.6	80.8	81.4	81.9	82.7	82.9	83.0	83.9	83.9	84.2	84.2
GE 600	17.3	61.7	70.1	74.5	79.0	81.3	82.6	83.7	84.3	85.2	85.4	85.5	86.5	86.5	86.8	86.8
GE 500	17.4	62.2	70.5	75.2	80.3	82.8	84.5	86.0	86.8	87.7	88.1	88.2	89.2	89.2	89.6	89.6
GE 400	17.4	62.3	70.6	75.3	80.8	84.0	85.7	87.4	88.4	89.9	90.6	90.9	92.3	92.3	92.8	92.8
GE 300	17.4	62.3	70.6	75.3	81.1	84.4	86.5	88.8	90.0	91.7	93.2	93.4	95.2	95.5	96.1	96.1
GE 200	17.4	62.3	70.6	75.3	81.2	84.5	86.7	89.1	90.5	92.5	94.3	94.5	96.3	97.2	98.2	98.3
GE 100	17.4	62.3	70.6	75.3	81.2	84.5	86.7	89.1	90.5	92.6	94.4	94.6	96.5	97.3	98.9	99.5
GE 0	17.4	62.3	70.6	75.3	81.2	84.5	86.7	89.1	90.5	92.6	94.4	94.6	96.5	97.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	11.1	27.6	29.5	29.8	30.4	30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	
GE 20000	12.7	32.5	34.6	35.3	36.0	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	
GE 18000	12.7	32.5	34.6	35.3	36.0	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	
GE 16000	12.7	32.5	34.6	35.3	36.1	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	
GE 14000	12.8	32.6	34.7	35.4	36.2	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	
GE 12000	13.1	33.8	36.0	36.7	37.5	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	
GE 10000	14.4	36.6	39.1	39.9	40.9	41.3	41.3	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.6	41.6	
GE 9000	14.6	36.9	39.5	40.2	41.2	41.6	41.6	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.9	41.9	
GE 8000	15.1	38.3	40.9	41.6	42.6	43.0	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.3	43.3	
GE 7000	15.5	39.4	42.0	42.8	43.8	44.2	44.2	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.5	44.5	
GE 6000	15.6	40.2	43.1	43.9	44.8	45.3	45.3	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.6	45.6	
GE 5000	16.0	41.8	44.9	45.8	46.9	47.3	47.3	47.4	47.5	47.5	47.6	47.6	47.6	47.6	47.7	47.7	
GE 4500	16.0	41.9	45.2	46.0	47.1	47.5	47.5	47.6	47.7	47.7	47.8	47.8	47.8	47.8	48.0	48.0	
GE 4000	16.3	43.4	46.9	47.7	49.2	49.7	49.7	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.2	50.2	
GE 3500	16.9	44.9	48.5	49.4	50.9	51.3	51.3	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.8	51.8	
GE 3000	17.5	49.6	53.4	54.9	56.7	57.2	57.3	57.4	57.5	57.7	57.8	57.8	58.1	58.1	58.2	58.2	
GE 2500	18.5	52.4	56.6	58.2	60.2	61.0	61.3	61.5	61.6	61.8	61.9	61.9	62.2	62.2	62.3	62.3	
GE 2000	19.2	56.1	61.1	63.2	65.6	66.3	66.8	67.0	67.1	67.3	67.4	67.4	68.0	68.0	68.1	68.1	
GE 1800	19.4	57.3	62.3	64.6	67.0	67.7	68.2	68.4	68.5	68.7	68.8	68.8	69.4	69.4	69.5	69.5	
GE 1500	19.8	60.8	66.0	68.7	71.2	72.2	72.6	72.8	72.9	73.1	73.2	73.3	73.9	73.9	74.1	74.1	
GE 1200	20.2	62.7	68.0	70.9	73.8	74.7	75.2	75.4	75.5	75.7	75.8	75.9	76.5	76.5	76.7	76.7	
GE 1000	20.3	63.9	69.6	72.9	76.2	77.3	77.7	78.1	78.2	78.4	78.6	78.7	79.2	79.2	79.5	79.5	
GE 900	20.3	64.7	70.8	74.5	77.8	79.0	79.7	80.0	80.1	80.3	80.5	80.6	81.2	81.2	81.4	81.4	
GE 800	20.3	65.8	72.3	76.2	79.9	81.1	81.7	82.4	82.7	82.9	83.1	83.2	84.1	84.1	84.3	84.3	
GE 700	20.3	65.9	72.7	77.1	81.5	83.0	83.8	84.7	85.1	85.3	85.7	85.8	86.7	86.7	86.9	86.9	
GE 600	20.3	66.0	73.0	77.5	82.5	84.0	84.9	86.2	86.6	86.9	87.3	87.4	88.3	88.3	88.5	88.5	
GE 500	20.3	66.2	73.4	78.1	84.1	86.2	87.4	89.1	89.6	90.4	91.1	91.2	92.0	92.0	92.3	92.3	
GE 400	20.3	66.2	73.4	78.2	84.4	86.7	88.1	90.3	91.0	92.4	93.3	93.4	94.6	94.6	94.8	94.8	
GE 300	20.3	66.2	73.4	78.2	84.6	86.9	88.4	90.8	91.4	93.1	94.4	94.5	96.3	96.5	96.7	96.7	
GE 200	20.3	66.2	73.4	78.2	84.7	87.0	88.5	91.0	91.6	93.5	95.2	95.4	97.5	97.7	98.4	98.5	
GE 100	20.3	66.2	73.4	78.2	84.7	87.0	88.5	91.0	91.6	93.5	95.2	95.4	97.5	97.8	99.1	99.5	
GE 0	20.3	66.2	73.4	78.2	84.7	87.0	88.5	91.0	91.6	93.5	95.2	95.4	97.5	97.8	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL		14.9	30.0	30.9	31.5	32.2	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.9	33.0
GE 20000	16.7	34.7	36.1	37.0	37.7	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.5	38.6
GE 18000	16.9	35.2	36.6	37.4	38.4	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.1	39.2
GE 16000	16.9	35.2	36.6	37.4	38.4	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.1	39.2
GE 14000	17.3	35.7	37.3	38.2	39.1	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.9	40.0
GE 12000	17.5	36.7	38.4	39.2	40.2	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	41.0	41.1
GE 10000	19.9	40.2	42.2	43.1	44.2	44.6	44.6	44.8	44.8	44.8	44.8	45.1	45.1	45.1	45.1	45.3	45.4
GE 9000	19.9	40.5	42.5	43.4	44.5	44.9	44.9	45.2	45.2	45.2	45.2	45.4	45.4	45.4	45.4	45.6	45.7
GE 8000	20.2	41.9	43.9	45.1	46.1	46.6	46.6	46.8	46.8	46.8	46.8	47.0	47.0	47.0	47.0	47.2	47.3
GE 7000	20.9	42.7	44.7	45.9	47.0	47.4	47.4	47.6	47.6	47.6	47.6	47.8	47.8	47.8	47.8	48.1	48.2
GE 6000	21.0	43.9	45.9	47.1	48.2	48.6	48.6	48.8	48.8	48.8	48.8	49.0	49.0	49.0	49.0	49.2	49.4
GE 5000	21.5	45.6	47.6	48.8	49.9	50.3	50.3	50.5	50.5	50.5	50.5	50.8	50.8	50.8	50.8	51.0	51.1
GE 4500	21.6	46.0	48.2	49.4	50.4	50.9	50.9	51.1	51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.5	51.6
GE 4000	21.6	47.2	49.6	50.8	51.8	52.3	52.3	52.5	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.9	53.0
GE 3500	21.9	48.5	50.9	52.2	53.3	53.8	53.8	54.0	54.0	54.0	54.0	54.2	54.2	54.2	54.2	54.4	54.5
GE 3000	22.8	51.6	54.3	55.9	57.3	57.7	57.7	58.0	58.0	58.0	58.0	58.2	58.2	58.2	58.2	58.4	58.5
GE 2500	23.7	55.9	59.1	61.1	62.5	63.3	63.4	63.7	63.7	63.7	63.7	63.9	63.9	63.9	63.9	64.1	64.2
GE 2000	24.1	58.8	62.7	64.6	66.2	67.2	67.3	67.5	67.5	67.5	67.5	67.7	68.1	68.1	68.1	68.3	68.4
GE 1800	24.2	60.6	64.6	66.9	68.5	69.5	69.6	69.8	69.8	69.8	69.8	70.0	70.3	70.3	70.3	70.5	70.6
GE 1500	24.5	63.2	68.0	70.4	72.4	73.4	74.0	74.6	74.7	74.7	74.7	74.9	75.3	75.3	75.3	75.5	75.6
GE 1200	24.7	65.3	70.3	73.0	75.2	76.3	76.9	77.5	77.6	77.6	77.6	77.8	78.2	78.2	78.2	78.4	78.5
GE 1000	24.7	66.8	71.9	74.9	77.6	79.2	80.0	80.6	80.8	80.8	80.8	81.0	81.3	81.3	81.3	81.5	81.6
GE 900	24.7	67.3	72.6	75.8	78.9	80.5	81.3	81.9	82.0	82.0	82.2	82.4	82.7	82.7	82.7	82.9	83.0
GE 800	24.7	68.0	73.3	76.8	80.1	81.8	82.6	83.2	83.4	83.4	83.5	83.8	84.1	84.1	84.1	84.3	84.4
GE 700	24.7	68.3	73.9	77.7	82.3	84.2	85.2	85.9	86.1	86.3	86.6	86.9	86.9	86.9	86.9	87.1	87.2
GE 600	24.7	68.5	74.3	78.4	83.1	85.3	86.2	87.1	87.4	87.8	88.2	88.5	88.6	88.6	88.6	88.8	88.9
GE 500	24.7	68.7	74.5	78.8	83.9	86.0	88.1	89.5	89.8	89.8	90.3	90.6	91.0	91.2	91.3	91.6	91.7
GE 400	24.7	69.0	74.8	79.1	84.2	86.7	89.5	91.0	91.3	91.9	92.4	92.7	93.0	93.2	93.2	93.5	93.7
GE 300	24.7	69.0	74.8	79.1	84.7	87.2	90.2	91.7	92.3	93.1	93.7	94.1	95.3	95.7	96.0	96.2	
GE 200	24.7	69.0	74.8	79.1	84.7	87.2	90.3	92.2	92.7	93.9	94.4	94.8	96.3	96.9	97.4	97.6	
GE 100	24.7	69.0	74.8	79.1	84.7	87.2	90.3	92.2	92.8	94.0	94.5	94.9	96.6	97.2	98.2	99.2	
GE 0	24.7	69.0	74.8	79.1	84.7	87.2	90.3	92.2	92.8	94.0	94.5	94.9	96.6	97.2	98.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	16.8	30.4	31.7	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 20000	18.9	33.9	35.3	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 18000	18.9	33.9	35.3	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 16000	18.9	33.9	35.3	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 14000	19.2	34.2	35.8	36.5	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 12000	19.4	34.5	36.1	36.8	36.8	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 10000	22.0	38.4	40.5	41.2	41.4	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 9000	22.3	39.1	41.4	42.0	42.3	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 8000	22.7	40.5	42.8	43.4	43.8	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 7000	22.8	40.8	43.3	44.0	44.3	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 6000	23.4	42.4	44.9	45.6	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 5000	24.1	44.4	47.3	48.0	48.4	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 4500	24.3	44.7	47.6	48.3	48.7	49.0	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 4000	24.5	46.0	48.9	49.6	50.1	50.5	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 3500	24.8	47.3	50.2	50.9	51.5	51.9	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 3000	25.6	50.5	54.2	55.1	56.0	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 2500	26.3	54.6	58.4	59.8	61.4	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 2000	27.0	58.8	63.3	65.3	67.2	67.8	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 1800	27.1	59.8	64.5	66.5	68.6	69.2	69.8	69.9	69.9	69.9	69.9	70.0	70.1	70.1	70.1	70.1
GE 1500	27.4	62.2	67.4	69.8	72.3	72.9	73.7	73.9	74.0	74.0	74.0	74.2	74.3	74.3	74.3	74.3
GE 1200	27.6	64.3	70.1	73.0	76.1	76.8	77.5	77.8	78.0	78.0	78.0	78.2	78.3	78.3	78.3	78.3
GE 1000	27.6	64.8	70.6	73.5	77.1	77.8	78.7	79.1	79.2	79.4	79.5	79.7	79.8	79.8	79.8	79.8
GE 900	27.6	65.3	71.3	74.3	78.2	78.9	79.8	80.2	80.3	80.4	80.5	80.8	80.9	80.9	80.9	80.9
GE 800	27.6	66.1	72.4	75.6	79.5	80.5	81.4	81.9	82.0	82.3	82.4	82.6	82.7	82.7	82.7	82.7
GE 700	27.8	66.5	73.0	76.6	81.7	82.8	84.4	85.3	85.5	85.7	85.8	86.0	86.1	86.1	86.1	86.1
GE 600	27.8	66.7	73.4	77.1	82.9	84.1	85.8	86.9	87.2	87.5	87.7	88.0	88.2	88.3	88.3	88.3
GE 500	27.8	67.0	74.1	77.7	83.9	85.1	86.9	88.1	88.4	88.7	89.1	89.4	89.7	89.8	89.8	89.9
GE 400	27.8	67.2	74.4	78.2	85.1	86.6	89.0	90.5	91.1	91.8	92.4	92.6	92.9	93.0	93.0	93.1
GE 300	27.8	67.2	74.5	78.3	85.3	86.8	90.0	91.6	92.3	93.1	94.0	94.2	94.6	94.7	95.1	95.4
GE 200	27.8	67.2	74.5	78.3	85.3	87.0	90.3	92.0	92.7	93.8	94.7	94.9	95.8	95.9	96.5	97.4
GE 100	27.8	67.2	74.5	78.3	85.3	87.0	90.3	92.0	92.7	93.8	94.7	94.9	95.8	95.9	97.0	99.2
GE 0	27.8	67.2	74.5	78.3	85.3	87.0	90.3	92.0	92.7	93.8	94.8	95.1	95.9	96.0	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	2 1/2	GE 2	1 1/2	1 1/4	GE 1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	12.9	27.9	29.3	30.3	33.9	31.1	31.2	31.3	31.3	31.4	31.4	31.5	31.6	31.6	31.7	31.7
GE 20000	14.1	30.9	32.6	33.7	34.3	34.6	34.7	34.7	34.8	34.8	34.9	34.9	35.0	35.1	35.1	35.2
GE 18000	14.2	31.1	32.7	33.9	34.5	34.8	34.9	34.9	34.9	35.0	35.0	35.1	35.1	35.2	35.3	35.4
GE 16000	14.2	31.1	32.7	33.9	34.5	34.8	34.9	34.9	35.0	35.0	35.1	35.1	35.2	35.3	35.3	35.4
GE 14000	14.4	31.3	33.1	34.2	34.9	35.2	35.3	35.3	35.3	35.4	35.5	35.5	35.6	35.6	35.7	35.8
GE 12000	14.7	32.2	34.1	35.2	35.9	36.2	36.3	36.4	36.4	36.5	36.5	36.6	36.7	36.7	36.8	36.8
GE 10000	16.4	35.2	37.2	38.5	39.3	39.6	39.7	39.7	39.7	39.8	39.9	40.0	40.1	40.1	40.2	40.2
GE 9000	16.6	35.7	37.8	39.1	39.8	40.1	40.2	40.3	40.3	40.4	40.5	40.6	40.6	40.7	40.8	40.8
GE 8000	17.1	37.2	39.3	40.6	41.5	41.8	41.9	42.0	42.0	42.1	42.2	42.3	42.4	42.4	42.5	42.5
GE 7000	17.4	38.0	40.2	41.6	42.4	42.8	42.9	43.0	43.0	43.1	43.2	43.3	43.4	43.4	43.5	43.5
GE 6000	17.9	39.4	41.7	43.1	44.0	44.4	44.5	44.6	44.6	44.7	44.8	44.9	45.0	45.0	45.1	45.1
GE 5000	18.5	41.1	43.7	45.1	46.1	46.5	46.6	46.7	46.8	46.9	47.0	47.0	47.1	47.2	47.3	47.3
GE 4500	18.8	41.9	44.7	46.4	47.4	47.8	48.0	48.1	48.1	48.2	48.3	48.4	48.5	48.5	48.6	48.7
GE 4000	19.0	43.5	46.5	48.2	49.4	49.9	50.1	50.2	50.3	50.4	50.5	50.6	50.6	50.7	50.8	50.8
GE 3500	19.4	44.9	48.0	49.7	51.0	51.5	51.7	51.9	52.0	52.1	52.2	52.3	52.4	52.4	52.5	52.5
GE 3000	20.1	47.7	51.4	53.4	55.1	55.6	55.9	56.1	56.2	56.3	56.5	56.5	56.7	56.7	56.8	56.9
GE 2500	20.8	50.6	54.7	57.0	59.1	59.9	60.3	60.5	60.6	60.8	61.0	61.0	61.2	61.2	61.3	61.4
GE 2000	21.5	54.2	58.8	61.5	64.0	64.9	65.4	65.6	65.8	66.0	66.1	66.2	66.5	66.6	66.7	66.7
GE 1800	21.6	55.1	59.9	62.7	65.2	66.1	66.7	67.0	67.1	67.4	67.5	67.6	67.9	67.9	68.1	68.1
GE 1600	22.0	57.7	62.9	66.0	68.8	69.8	70.6	71.1	71.3	71.6	71.7	71.9	72.2	72.2	72.4	72.4
GE 1400	22.2	60.1	65.7	69.2	72.3	73.4	74.2	74.8	75.1	75.4	75.5	75.7	76.0	76.0	76.2	76.3
GE 1000	22.3	61.4	67.4	71.1	74.7	75.9	76.9	77.6	77.9	78.2	78.5	78.6	78.9	79.0	79.2	79.2
GE 900	22.3	62.1	68.3	72.2	76.0	77.3	78.3	79.0	79.4	79.7	80.0	80.1	80.4	80.5	80.7	80.7
GE 800	22.3	62.9	69.4	73.6	77.7	79.2	80.3	81.1	81.5	81.9	82.2	82.3	82.7	82.8	83.0	83.0
GE 700	22.4	63.2	69.9	74.3	79.1	80.7	82.2	83.2	83.6	84.1	84.3	84.5	85.1	85.1	85.3	85.4
GE 600	22.4	63.5	70.4	74.9	80.2	82.0	83.6	84.9	85.5	86.0	86.3	86.5	87.1	87.2	87.5	87.5
GE 500	22.4	63.9	70.8	75.6	81.5	83.5	85.5	87.2	87.7	88.5	89.0	89.2	89.9	90.0	90.3	90.4
GE 400	22.4	64.0	71.1	76.0	82.2	84.6	87.0	89.0	89.7	90.7	91.4	91.6	92.5	92.6	93.0	93.1
GE 300	22.4	64.0	71.1	76.0	82.4	84.9	87.6	89.9	90.7	92.1	93.1	93.5	94.8	95.2	95.7	95.9
GE 200	22.4	64.0	71.1	76.0	82.4	85.0	87.8	90.3	91.3	92.9	94.1	94.6	96.3	96.9	97.6	98.1
GE 100	22.4	64.0	71.1	76.0	82.4	85.0	87.8	90.3	91.3	93.0	94.3	94.8	96.6	97.2	98.4	99.4
GE 0	22.4	64.0	71.1	76.0	82.4	85.0	87.8	90.3	91.3	93.0	94.3	94.8	96.6	97.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS (LST): ALL

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	1/8	0	
NO CEIL	18.2	41.3	43.6	45.0	46.2	46.6	46.9	47.1	47.1	47.2	47.3	47.3	47.3	47.4	47.4	47.4	47.4	
GE 20000	23.1	46.7	49.2	50.9	52.3	52.7	53.0	53.3	53.3	53.4	53.5	53.5	53.6	53.6	53.6	53.7	53.7	
GE 18000	20.2	46.8	49.4	51.1	52.4	52.9	53.2	53.4	53.5	53.6	53.7	53.7	53.7	53.8	53.8	53.8	53.8	
GE 16000	20.2	46.9	49.4	51.1	52.5	52.9	53.3	53.5	53.6	53.7	53.7	53.7	53.7	53.8	53.8	53.9	53.9	
GE 14000	20.3	47.4	50.0	51.7	53.1	53.5	53.9	54.1	54.2	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	
GE 12000	20.7	48.5	51.3	53.1	54.5	54.9	55.3	55.6	55.6	55.7	55.8	55.8	55.9	55.9	55.9	56.0	56.0	
GE 10000	21.8	52.0	55.0	57.0	58.6	59.0	59.4	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.1	
GE 9000	22.0	52.5	55.6	57.6	59.2	59.7	60.1	60.3	60.4	60.5	60.6	60.6	60.7	60.7	60.7	60.8	60.8	
GE 8000	22.7	54.8	58.0	60.2	61.9	62.4	62.8	63.1	63.2	63.3	63.4	63.4	63.5	63.5	63.5	63.6	63.6	
GE 7000	22.9	55.6	58.9	61.2	62.9	63.4	63.9	64.1	64.2	64.3	64.4	64.4	64.5	64.5	64.6	64.6	64.6	
GE 6000	23.3	56.8	60.3	62.6	64.4	65.0	65.4	65.7	65.8	65.9	66.0	66.0	66.1	66.1	66.1	66.2	66.2	
GE 5000	23.9	59.2	63.0	65.5	67.5	68.1	68.6	68.9	69.0	69.1	69.2	69.2	69.3	69.3	69.4	69.4	69.4	
GE 4500	24.1	60.1	64.0	66.6	68.7	69.3	69.9	70.2	70.3	70.4	70.5	70.5	70.6	70.6	70.6	70.7	70.7	
GE 4000	24.6	62.2	66.4	69.2	71.4	72.1	72.6	73.0	73.1	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.5	
GE 3500	24.9	63.6	67.9	70.8	73.1	73.8	74.4	74.8	74.9	75.0	75.2	75.2	75.2	75.2	75.3	75.3	75.3	
GE 3000	25.4	66.0	70.5	73.6	76.3	77.0	77.7	78.1	78.2	78.4	78.5	78.5	78.6	78.6	78.6	78.7	78.7	
GE 2500	25.8	67.7	72.4	75.7	78.6	79.4	80.1	80.5	80.6	80.9	81.0	81.0	81.1	81.1	81.1	81.2	81.2	
GE 2000	26.1	69.6	74.6	78.1	81.1	82.0	82.8	83.2	83.4	83.6	83.7	83.8	83.8	83.9	83.9	84.0	84.0	
GE 1800	26.2	70.0	75.0	78.6	81.7	82.6	83.3	83.8	83.9	84.2	84.3	84.3	84.4	84.5	84.5	84.6	84.6	
GE 1500	26.3	71.4	76.8	80.7	84.0	85.0	85.9	86.4	86.5	86.8	87.0	87.0	87.1	87.1	87.2	87.2	87.2	
GE 1200	26.4	72.4	78.0	82.1	85.7	86.8	87.7	88.3	88.5	88.8	89.0	89.0	89.1	89.1	89.2	89.2	89.2	
GE 1000	26.5	73.2	78.9	83.3	87.2	88.3	89.4	90.0	90.2	90.6	90.8	90.9	91.0	91.0	91.1	91.1	91.1	
GE 900	26.5	73.4	79.3	83.7	87.7	88.9	90.1	90.7	90.9	91.3	91.6	91.6	91.7	91.7	91.8	91.8	91.8	
GE 800	26.5	73.7	79.7	84.3	88.5	89.8	91.1	91.8	92.1	92.5	92.7	92.8	92.9	92.9	93.0	93.1	93.1	
GE 700	26.5	73.9	80.0	84.7	89.2	90.6	91.9	92.8	93.0	93.5	93.8	93.8	94.0	94.0	94.1	94.2	94.2	
GE 600	26.5	74.1	80.2	85.0	89.8	91.3	92.8	93.7	94.0	94.5	94.9	94.9	95.1	95.1	95.2	95.3	95.3	
GE 500	26.5	74.1	80.4	85.3	90.3	91.9	93.5	94.6	94.9	95.5	96.0	96.0	96.2	96.3	96.4	96.5	96.5	
GE 400	26.5	74.2	80.5	85.4	90.6	92.3	94.1	95.3	95.7	96.4	96.9	97.0	97.3	97.3	97.5	97.6	97.6	
GE 300	26.5	74.2	80.5	85.4	90.7	92.4	94.3	95.6	96.1	96.9	97.6	97.7	98.0	98.0	98.3	98.5	98.5	
GE 200	26.5	74.2	80.5	85.5	90.7	92.4	94.4	95.7	96.2	97.1	97.9	98.0	98.5	98.7	99.0	99.2	99.2	
GE 100	26.5	74.2	80.5	85.5	90.7	92.4	94.4	95.8	96.3	97.2	98.0	98.1	98.6	98.9	99.3	99.7	99.7	
GE C	26.5	74.2	80.5	85.5	90.7	92.4	94.4	95.8	96.3	97.2	98.0	98.1	98.6	98.9	99.3	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 87523

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	18.5			15.1						13.2	53.2	7.0	926
03-05	19.9			13.0						10.3	56.8	7.0	924
06-08	15.1			18.5						12.2	54.3	7.1	929
09-11	8.7			18.8						19.3	53.2	7.6	928
12-14	6.9			19.8						19.9	53.3	7.7	928
15-17	6.1			19.5						22.4	52.0	7.8	930
18-20	8.2			22.0						14.7	55.2	7.5	928
21-23	14.1			16.8						12.7	54.4	7.1	927
TOTALS	12.2			18.2						15.6	54.1	7.4	7420

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	22.0			15.7						12.1	50.1	6.6	832
03-05	21.5			16.7						10.6	51.1	6.6	831
06-08	13.3			18.7						16.4	51.5	7.2	833
09-11	10.1			17.5						14.5	53.9	7.6	840
12-14	8.9			20.7						17.2	53.3	7.5	845
15-17	7.2			22.6						19.5	50.7	7.5	846
18-20	6.0			26.7						17.5	49.8	7.4	846
21-23	16.6			23.2						11.6	48.7	6.6	838
TOTALS	13.2			20.2						15.4	51.1	7.1	6711

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87

MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	25.0			15.5						12.3	47.3	6.3
03-05	25.8			13.9						10.8	49.4	6.3
06-08	15.0			22.1						16.5	46.4	6.8
09-11	7.9			22.1						20.8	49.3	7.5
12-14	5.9			19.4						22.5	52.3	7.6
15-17	4.3			21.0						25.4	49.4	7.8
18-20	5.8			25.9						20.0	48.3	7.4
21-23	18.1			22.4						12.2	47.4	6.5
TOTALS	13.5			20.3						17.6	48.7	7.1

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87

MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	30.5			15.9						15.5	38.1	5.7
03-05	33.2			13.3						13.6	39.9	5.6
06-08	14.8			24.4						20.6	40.3	6.6
09-11	11.7			23.7						21.4	43.2	7.0
12-14	5.9			23.1						25.7	45.3	7.5
15-17	5.4			23.4						26.4	44.7	7.6
18-20	6.2			28.9						25.4	39.4	7.1
21-23	20.9			25.7						17.7	35.8	5.9
TOTALS	16.1			22.3						20.8	40.8	6.6

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	28.2			25.5						15.5	30.9	5.2	927
03-05	26.2			23.9						18.8	31.0	5.5	919
06-08	10.1			26.0						26.9	35.1	6.8	923
09-11	9.8			30.5						24.9	34.7	6.6	930
12-14	3.8			31.4						29.4	35.5	7.1	930
15-17	3.0			30.9						34.1	32.0	7.2	930
18-20	6.2			32.3						27.7	33.8	6.8	930
21-23	16.2			30.8						19.1	33.9	6.0	928
TOTALS	12.9			29.2						24.6	33.4	6.4	7417

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	28.5			36.0						17.3	24.2	4.9	897
03-05	24.3			30.8						20.0	24.9	5.2	890
06-08	12.8			30.6						27.2	29.5	6.3	893
09-11	10.5			32.7						25.9	30.9	6.4	899
12-14	4.3			34.7						31.9	29.0	6.8	899
15-17	3.4			34.6						34.8	27.0	6.9	900
18-20	7.4			37.2						32.0	23.3	6.3	900
21-23	16.9			37.8						23.8	21.6	5.4	900
TOTALS	13.5			33.6						26.6	26.3	6.0	7178

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 79-87  
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	29.6			30.5						18.9	21.0	4.7
03-05	23.5			34.3						19.8	22.4	5.0
06-08	10.4			33.0						29.8	27.7	6.4
09-11	10.0			34.7						26.4	28.9	6.3
12-14	2.0			37.6						31.8	28.5	6.8
15-17	1.7			44.5						30.2	23.6	6.4
18-20	5.9			43.9						27.8	22.4	6.1
21-23	16.8			37.9						27.1	18.1	5.4
TOTALS	12.5			37.1						26.4	24.1	5.9

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	28.7			31.2						15.9	24.2	4.8
03-05	26.7			26.1						19.5	27.7	5.3
06-08	11.2			33.3						26.7	28.8	6.3
09-11	10.9			32.0						28.9	28.2	6.4
12-14	2.7			35.4						33.3	28.6	6.9
15-17	2.0			36.9						34.7	24.4	6.7
18-20	5.2			43.1						30.8	20.9	6.2
21-23	18.3			38.6						22.1	21.0	5.2
TOTALS	13.2			34.8						26.5	25.5	6.0

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	37.3			22.9						12.3	27.5	4.5	892
03-05	36.2			23.2						14.9	25.7	4.6	879
06-08	18.4			34.8						22.4	24.4	5.5	868
09-11	14.9			34.3						25.5	25.3	5.8	891
12-14	7.8			37.4						32.8	21.9	6.3	895
15-17	6.9			39.0						33.9	20.2	6.2	897
18-20	14.4			40.4						24.3	21.0	5.5	897
21-23	29.5			30.7						17.1	22.7	4.7	895
TOTALS	20.7			32.8						22.9	23.6	5.4	7114

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	29.8			16.2						14.3	39.7	5.7	922
03-05	30.2			18.2						13.4	38.1	5.6	923
06-08	17.7			26.8						19.3	36.1	6.2	924
09-11	12.4			25.8						22.5	37.3	6.7	929
12-14	7.6			28.9						24.9	38.5	7.0	930
15-17	8.0			26.3						31.0	34.7	7.1	930
18-20	12.9			27.5						25.6	34.0	6.5	930
21-23	24.8			20.9						18.3	35.9	5.9	927
TOTALS	17.9			23.8						21.2	37.0	6.3	7415

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	20.0			14.1						9.9	56.0	6.9	900
03-05	21.5			13.9						10.2	54.4	6.8	899
06-08	13.8			19.8						15.0	51.4	7.1	899
09-11	6.0			20.9						22.1	50.9	7.7	899
12-14	5.6			20.3						21.7	52.4	7.8	900
15-17	5.4			18.7						25.1	50.8	7.9	900
18-20	8.8			20.0						19.1	53.1	7.5	900
21-23	16.1			14.0						15.4	56.4	7.3	900
TOTALS	12.2			17.7						16.9	53.2	7.4	7307

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	16.9			13.0						8.0	62.1	7.3	928
03-05	18.1			12.7						9.2	60.1	7.2	924
06-08	13.3			14.4						13.4	58.9	7.5	924
09-11	7.4			16.1						19.6	57.0	7.1	925
12-14	6.0			16.6						21.8	57.0	6.1	930
15-17	5.7			19.6						19.8	54.9	7.9	929
18-20	7.0			21.3						17.3	53.7	7.6	927
21-23	12.9			15.1						15.7	56.4	7.5	930
TOTALS	11.9			16.1						15.3	57.8	7.6	7417



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-87  
MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
	HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
JAN	ALL	12.2			18.4						15.6	54.1	7.4
FEB		13.2			20.2						15.4	51.1	7.1
MAR		13.5			20.3						17.6	48.7	7.1
APR		16.1			22.3						20.8	40.8	6.6
MAY		12.0			29.2						24.6	33.4	6.4
JUN		13.5			33.6						26.6	26.3	6.0
JUL		12.5			37.1						26.4	24.1	5.9
AUG		13.2			34.8						26.5	25.5	6.0
SEP		20.7			12.8						22.9	23.6	5.4
OCT		17.9			23.4						21.2	37.0	6.3
NOV		12.2			17.7						16.9	53.2	7.4
DEC		11.0			16.0						15.3	57.8	7.6
TOTALS		14.1			25.5						20.8	39.6	6.6

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## TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

### EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

### MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725335

STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 56-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 105							.1						.0
GE 100							.4						.0
GE 95						1.1	4.4	.8	.2				.6
GE 90					.6	10.1	16.7	9.2	4.3				3.4
GE 85				.6	8.4	31.1	45.1	33.7	16.2	.9			11.4
GE 80			.3	5.4	22.1	57.2	75.7	66.5	36.6	6.2			22.1
GE 75			1.0	12.3	38.8	77.7	92.6	88.0	58.0	17.4	.2		32.4
GE 70			5.4	22.5	58.3	92.6	98.6	97.1	75.2	31.8	4.1		40.1
GE 65	.1	.7	10.2	35.6	75.3	97.7	100.0	99.7	91.0	48.8	9.9	.6	47.7
GE 60	.6	1.9	16.4	50.3	87.1	99.6		100.0	97.1	66.5	20.1	3.5	53.8
GE 55	1.5	5.6	25.3	67.3	94.3	99.9			99.4	82.2	31.6	7.9	59.8
GE 50	4.7	11.0	36.6	79.8	98.6	100.0			99.9	90.7	46.1	12.6	65.2
GE 45	9.3	18.0	49.4	90.6	99.6				100.0	96.9	61.9	10.5	70.7
GE 40	18.4	31.6	66.4	96.7	100.0					99.6	74.7	23.4	76.9
GE 35	37.2	50.6	82.6	99.3						100.0	90.3	53.3	84.5
GE 30	54.8	67.9	93.4	99.9							96.6	75.3	90.7
GE 25	68.9	81.2	97.8	100.0							98.7	86.9	94.5
GE 20	82.3	90.9	99.3								99.5	92.4	97.0
GE 15	90.3	94.6	100.0								99.8	96.5	98.4
GE 10	95.0	98.9									100.0	98.3	99.4
GE 5	98.6	99.7										99.1	99.8
GE 0	99.5	100.0										99.7	99.9
GE -5	99.8											99.9	100.0
GE -10	100.0											100.0	100.0
MEAN	33.1	34.6	46.2	59.9	71.1	80.2	83.6	81.7	75.9	64.0	48.6	36.0	59.7
SD	11.530	11.595	12.606	11.624	9.766	7.371	6.212	6.052	6.473	10.229	11.540	11.676	21.399
TOTAL OPS	984	904	994	960	992	960	992	961	930	961	930	960	11526

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725335

STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 80						.9	.1						.6
GE 75						9.2	5.9	1.6	.1				.6
GE 70					.4	32.2	21.9	14.5	6.6	.1			4.4
GE 65				.5	5.7	52.8	40.7	19.1	1.5				12.8
GE 60			.1	3.2	20.5	54.9	79.4	68.5	35.2	5.6	.4	.1	22.5
GE 55			1.1	9.4	37.4	76.4	93.4	87.2	53.9	14.6	3.0	.4	31.6
GE 50			3.4	18.0	56.6	92.5	98.3	96.4	73.7	28.5	6.8	1.2	39.8
GE 45	.3	.7	7.1	30.2	75.2	98.9	99.8	99.5	87.8	47.0	13.1	3.1	47.1
GE 40	.8	2.8	14.3	49.6	89.7	100.0	100.0	99.9	96.9	68.5	25.9	5.8	54.7
GE 35	4.2	9.3	27.9	70.5	97.3			100.0	99.8	85.0	42.2	13.4	62.7
GE 30	7.2	14.8	38.0	79.3	98.6				100.0	90.5	52.0	19.9	66.9
GE 25	14.7	24.0	53.3	89.4	99.5					95.4	65.2	21.2	72.9
GE 20	20.8	41.3	73.9	97.6	100.0					99.4	84.6	51.8	81.7
GE 15	44.9	56.7	85.9	99.5						100.0	94.6	66.1	87.4
GE 10	56.6	68.3	92.3	99.9							98.1	77.8	91.1
GE 5	67.1	78.7	96.9	100.0							99.2	86.5	94.1
GE 0	78.6	86.4	98.9								99.7	91.2	96.3
GE -5	87.9	92.4	99.4								99.9	94.7	97.9
GE -10	93.7	97.6	100.0								100.0	97.8	99.1
GE -15	96.7	99.3										99.2	99.6
GE -20	99.0	99.9										99.9	99.9
GE -25	99.9	100.0										100.0	100.0
GE -30	100.0												100.0
MEAN	15.7	19.8	29.7	40.4	51.0	60.2	64.5	62.4	55.6	44.3	33.6	22.9	41.7
SD	12.970	12.309	10.074	9.433	8.748	7.215	6.305	6.653	8.894	9.151	9.771	12.303	19.207
TOTAL OBS	984	904	992	960	992	963	992	961	930	961	930	960	11526

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725335

STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 90							.3						.4
GE 85						.6	3.8						.4
GE 80					.2	8.2	17.6	10.1	4.1				3.4
GE 75				.2	6.7	30.4	49.5	37.9	16.9	.5			11.9
GE 70				3.4	19.4	58.1	79.9	69.4	35.5	4.3			22.7
GE 65			1.0	10.0	37.8	78.6	95.4	90.4	56.7	15.2	.6	.1	32.4
GE 60			2.9	19.8	58.9	94.5	99.5	97.9	76.9	30.2	5.1	.3	40.7
GE 55	.1	.3	8.7	33.0	77.0	99.1	100.0	99.9	91.5	48.4	10.9	1.7	47.8
GE 50	.5	2.1	14.9	50.6	90.2	99.9	100.0	100.0	98.6	69.3	21.6	4.2	54.6
GE 45	1.6	6.2	25.8	70.2	98.1	100.0			99.8	85.5	35.7	8.2	61.2
GE 40	6.4	13.6	42.4	87.6	99.5				100.0	95.5	55.7	16.9	68.3
GE 35	15.9	28.1	63.2	95.9	100.0					99.4	74.1	32.8	75.9
GE 30	34.2	46.6	80.6	99.4						100.0	89.1	54.0	83.8
GE 25	50.3	63.1	90.4	99.8							97.1	72.0	89.5
GE 20	62.5	75.8	96.3	100.0							98.6	83.4	93.1
GE 15	74.5	85.3	98.8								99.6	90.4	95.7
GE 10	86.1	92.4	99.6								99.8	94.2	97.7
GE 5	93.7	97.2	100.0								100.0	97.1	99.0
GE 0	97.0	99.2										98.7	99.6
GE -5	98.8	100.0										99.5	99.9
GE -10	99.7											99.9	100.0
GE -15	100.0											100.0	100.0
MEAN	73.1	27.4	38.2	50.4	61.3	70.5	74.3	72.3	66.0	54.4	41.4	19.7	50.8
SD	11.824	11.485	10.741	9.860	8.620	6.741	5.723	5.772	8.077	8.921	10.031	11.516	20.016
TOTAL OBS	984	904	992	960	992	980	992	961	930	961	930	960	11526

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 56-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
56	42	56	70	79	89	94	97	95	92	83	72	64	97
57	54	67	72	83	84	98	96	94	92	78	64	57	98
58	46	63	56	84	90	86	92	93	89	81	72	54	93
59	57	58	73	76	88	95	91	93	92	79	64	62	95
60	61	57	72	86	82	90	91	91	93	81	68	57	93
61	50	63	72	73	80	92	90	89	90	80	76	59	92
62	45	59	74	84	89	89	89	96	88	83	64	63	96
63	50	48	78	80	84	91	92	88	85	87	68	57	92
64	58	50	66	81	90	92	89	94	92	76	73	58	94
65	60	56	58	80	87	87	89	90	86	80	71	62	90
66	52	55	72	79	85	98	99	95	89	74	66	62	99
67	65	56	77	80	89	93	88	87	83	84	58	59	93
68	47	55	73	78	80	96	90	91	86	83	73	50	96
69	55	44	69	80	90	92	93	89	86	80	57	45	93
70	58	53	55	84	86	98	99	91	90	78	61	68	99
71	48	54	71	82	85	95	90	91	88	86	72	66	95
72	54	63	70	77	84	85	90	90	86	75	63	56	90
73	60	53	72	77	79	91	94	91	90	82	67	60	94
74	54	59	74	81	83	85	99	94	86	78	71	42	99
75	61	50	70	76	93	89	92	89	88	84	76	65	93
76	41	66	78	83	85	91	92	89	88	81	58	57	92
77	28	58	74	85	90	90	98	90	88	72	74	53	98
78	40	35	79	73	89	91	91	89	91	76	74	55	91
79	36	43	73	76	86	88	89	90	84	81	67	60	90
80	54	43	57	84	88	93	105	98	92	86	69	61	105
81	48	56	82	80	83	92	95	86	85	75	71	52	95
82	45	43	70	72	88	86	92	91	87	87	71	69	92
83	50	63	75	76	80	94	101	96	95	87	73	45	101
84	39	63	53	83	88	96	93	91	91	79	67	64	96
85	59	56	77	84	88	93	91	89	93	82	67	54	93

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 56-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
86	51	59	81	85	83	92	97	89	91	80	71	45	97
87	52	52	72	86	91	93	93						
MEAN	50.7	54.9	70.8	80.1	86.1	91.7	93.3	91.3	88.9	80.6	68.3	57.4	95.0
S.D.	8.215	7.573	7.443	4.114	3.635	3.630	4.132	2.863	3.026	3.981	5.218	6.595	3.469
TOTAL OBS	984	904	992	960	992	960	992	961	930	961	930	560	11526

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
56	40	8	17	27	36	40	56	50	39	33	18	12	40
57	-9	17	17	21	34	48	56	51	38	32	14	2	-9
58	1	-9	23	31	37	46	58	52	42	31	-1	-14	-14
59	-11	-1	13	31	35	47	55	56	37	30	4	15	-11
60	5	1	-4	25	35	48	54	57	44	27	20	-13	-13
61	-7	1	20	19	29	42	49	45	34	25	19	-5	-7
62	-12	1	5	21	40	46	44	49	35	20	22	-6	-12
63	-19	-9	0	24	29	44	45	42	33	26	22	-14	-19
64	-2	-3	15	21	39	46	50	41	36	23	8	2	-3
65	-12	-11	6	26	38	47	51	37	38	22	17	15	-12
66	-13	-4	13	26	29	40	55	51	38	24	18	0	-13
67	-5	-10	2	28	32	49	44	45	35	29	16	-16	-16
68	-18	-5	-3	25	29	48	49	43	40	26	21	0	-18
69	-5	11	5	32	34	45	57	53	41	27	12	3	-5
70	-17	-3	16	25	35	50	48	55	35	30	11	4	-17
71	-2	-7	15	27	31	52	49	52	42	37	17	12	-7
72	-15	-1	13	17	37	42	47	48	42	28	25	5	-15
73	7	4	25	30	34	57	58	57	47	35	24	2	2
74	-5	11	6	26	31	49	55	51	37	27	21	14	-5
75	5	-15	9	22	40	48	51	56	39	31	23	5	-15
76	-7	-3	19	28	32	51	53	48	41	22	6	-14	-14
77	-18	-16	14	27	34	42	55	54	47	28	11	-3	-18
78	-5	-8	-1	28	34	49	53	54	44	31	23	8	-8
79	-8	-12	10	22	33	50	53	50	44	30	25	*10	-12
80	9	-2	2	30	39	46	61	60	45	28	20	-4	-4
81	-1	-3	21	16	35	53	53	52	42	25	24	-4	-4
82	-11	-9	13	11	42	45	55	50	43	29	22	12	-11
83	8	10	9	25	38	47	48	60	38	30	22	-13	-13
84	-17	2	-4	30	39	54	52	54	44	39	21	5	-17
85	-21	-7	23	27	40	47	55	53	44	37	22	-5	-21

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 56-87

.....													
WHOLE DEGREES FAHRENHEIT													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
86	4	2	9	26	38	44	55	45	43	36	10	10	2
87	-6	16	19	23	38	53	57						
MEAN	-6.7	-1.7	10.8	24.9	35.2	47.4	52.5	50.7	40.2	29.0	17.3	.5	-10.9
S.D.	8.600	8.464	8.336	4.720	3.676	4.030	4.265	5.504	3.870	4.687	6.690	9.569	6.094
TOTAL OBS	984	904	992	960	992	960	992	961	930	961	930	960	11526
.....													

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	22.7	25.3	35.5	46.1	57.1	66.2	70.6	68.2	62.5	50.9	40.9	29.5	48.0
	SD	11.477	12.367	10.240	9.772	8.368	7.015	5.895	5.752	8.342	9.325	10.036	12.620	19.007
	TOT OBS	930	846	930	900	930	900	930	918	894	930	900	930	10936
03-05	MEAN	21.8	23.9	34.2	44.0	54.8	63.8	68.3	66.4	60.7	49.4	39.8	28.8	46.4
	SD	11.785	12.742	10.156	9.383	8.345	7.206	6.023	6.084	8.560	9.549	10.116	12.836	18.686
	TOT OBS	930	846	924	900	930	899	930	921	894	930	900	930	10939
06-08	MEAN	21.0	23.2	33.7	44.1	56.0	65.3	69.6	66.8	60.5	48.4	39.2	28.5	46.5
	SD	12.075	12.788	10.338	9.309	8.575	7.266	6.003	6.164	8.625	9.400	10.230	12.968	19.289
	TOT OBS	930	846	930	900	930	900	930	921	894	930	900	930	10941
09-11	MEAN	22.2	25.7	37.8	50.6	63.5	72.4	77.1	74.2	68.8	55.1	42.3	30.0	51.7
	SD	11.581	12.503	10.999	10.636	9.220	7.360	6.120	5.774	8.417	8.827	10.318	12.781	21.348
	TOT OBS	930	846	930	900	930	900	930	921	896	930	900	930	10943
12-14	MEAN	25.5	30.2	42.5	55.5	68.2	77.5	81.8	79.1	74.9	60.8	46.5	33.0	56.4
	SD	10.441	12.067	12.393	11.462	9.827	7.577	6.790	5.874	8.658	9.333	10.853	12.443	21.950
	TOT OBS	930	846	930	900	930	900	930	920	897	930	900	929	10942
15-17	MEAN	26.5	31.9	44.0	57.1	69.7	78.8	83.3	80.5	75.9	61.9	47.1	33.4	57.6
	SD	10.150	11.981	12.703	11.748	9.784	7.678	6.888	6.049	8.657	9.468	11.013	12.021	22.075
	TOT OBS	930	846	930	900	930	900	930	917	897	930	900	930	10940
18-20	MEAN	24.6	29.2	41.1	53.9	66.6	75.9	80.1	77.0	70.6	56.6	43.4	21.1	54.3
	SD	10.518	11.995	11.422	11.029	9.348	7.452	6.224	5.918	8.316	8.942	9.976	12.093	21.455
	TOT OBS	930	846	930	900	930	900	928	918	897	930	900	930	10939
21-23	MEAN	23.4	26.8	37.9	49.0	61.0	69.8	74.1	71.2	64.9	52.8	41.5	30.0	50.3
	SD	11.044	12.314	10.516	9.821	8.400	6.885	5.686	5.469	7.842	8.652	9.812	12.316	19.732
	TOT OBS	930	846	930	900	930	900	927	917	897	930	900	930	10937
ALL	MEAN	23.5	27.0	38.3	50.0	62.1	71.2	75.6	72.9	67.4	54.5	42.6	30.5	51.4
	SD	11.291	12.684	11.707	11.477	10.499	9.109	8.254	7.877	10.197	10.320	10.651	12.626	20.887
HOURLY	TOT OBS	7440	6768	7434	7200	7440	7199	7435	7353	7166	7440	7200	7434	87519

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

WEI-BULP TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-87

HOURLS 1ST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-01	MEAN	21.3	23.7	32.9	42.4	52.4	60.8	66.4	64.7	58.7	47.3	38.4	27.8	44.8
	SD	11.101	12.221	9.737	9.068	8.299	6.752	5.926	5.984	8.326	9.110	9.834	12.305	17.971
	TOT OBS	927	846	930	900	930	900	930	918	894	930	900	927	10932
03-05	MEAN	20.5	22.5	31.9	40.9	51.0	59.5	65.1	63.5	57.5	46.4	37.5	27.2	43.7
	SD	11.444	12.609	9.689	8.863	8.412	7.079	6.030	6.174	8.509	9.306	10.006	12.556	17.922
	TOT OBS	927	846	929	900	930	899	930	921	894	930	900	927	10933
06-08	MEAN	19.7	21.8	31.4	40.9	51.9	60.5	66.0	63.8	57.4	45.9	37.0	26.9	43.7
	SD	11.736	12.649	9.849	8.729	8.520	7.004	5.761	6.237	8.569	9.185	10.184	12.770	18.392
	TOT OBS	927	846	930	930	930	900	930	921	894	930	900	927	10935
09-11	MEAN	20.6	23.9	34.4	45.0	56.1	64.1	69.8	67.9	62.1	50.1	39.3	28.1	46.9
	SD	11.235	12.221	10.018	9.077	8.260	6.549	5.263	5.535	7.924	8.264	9.992	12.466	19.099
	TOT OBS	929	846	930	900	930	900	930	919	896	930	900	928	10936
12-14	MEAN	23.2	27.5	37.5	47.8	58.3	66.1	71.1	69.5	64.1	52.9	42.0	30.6	49.3
	SD	10.024	11.417	10.310	9.131	7.961	6.464	5.301	5.768	7.934	8.042	9.921	12.047	18.560
	TOT OBS	930	846	920	900	930	900	930	915	897	929	900	929	10934
15-17	MEAN	24.2	28.7	38.4	48.6	58.7	66.2	71.5	69.8	64.2	53.2	42.2	30.9	49.8
	SD	9.442	11.205	10.256	9.109	7.724	6.311	5.282	5.708	7.804	7.928	10.028	11.621	18.262
	TOT OBS	927	846	930	859	930	900	930	916	897	930	900	926	10931
18-20	MEAN	22.8	26.9	36.8	47.0	57.2	65.0	70.6	68.7	62.3	50.5	40.1	29.2	48.2
	SD	10.025	11.604	9.926	9.143	7.744	6.220	5.484	5.666	7.885	8.229	9.711	11.806	18.443
	TOT OBS	927	846	930	900	930	900	928	918	897	930	900	925	10931
21-23	MEAN	21.8	25.0	34.8	44.3	54.7	62.6	68.4	66.3	59.9	48.5	38.7	28.3	46.2
	SD	10.603	12.101	9.744	8.955	7.934	6.478	5.649	5.718	7.953	8.579	9.607	12.068	18.144
	TOT OBS	927	846	930	900	930	900	907	917	897	930	900	927	10931
ALL HOURLS	MEAN	21.6	25.0	34.8	44.6	55.0	63.1	68.6	66.6	63.8	49.4	39.4	28.6	46.6
	SD	10.823	12.229	10.233	9.446	8.581	7.051	6.071	6.323	8.528	8.981	10.070	12.273	18.488
	TOT OBS	7421	6768	7437	7199	7440	7199	7435	7345	7166	7439	7200	7416	87465

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DERIVED FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD 77.87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	16.0	18.7	28.2	37.8	48.1	57.0	64.0	72.5	79.8	85.7	88.7	87.0	67.0
	SD	13.352	14.817	11.424	10.240	10.167	7.992	6.473	6.816	9.310	10.251	11.177	14.292	15.100
	TOT OPS	927	846	930	900	930	900	930	930	899	930	930	930	930
03-05	MEAN	15.3	17.7	27.5	37.0	47.3	56.3	63.1	71.7	79.1	85.0	88.0	86.0	66.0
	SD	13.714	15.282	11.396	10.067	10.067	7.990	6.662	6.830	9.319	10.259	11.293	14.290	15.100
	TOT OPS	927	846	929	900	930	899	930	921	899	930	930	930	930
06-08	MEAN	14.6	17.0	27.1	36.8	48.1	57.1	64.0	72.0	79.1	85.0	88.0	86.0	66.0
	SD	14.002	15.276	11.576	9.937	10.167	8.025	6.323	6.950	9.310	10.251	11.293	14.290	15.100
	TOT OPS	927	846	930	900	930	900	930	921	899	930	930	930	930
09-11	MEAN	15.1	18.6	28.5	38.0	50.0	58.7	65.9	74.0	81.6	87.5	89.0	87.0	67.0
	SD	13.557	14.784	11.759	10.661	10.517	8.169	6.667	6.920	9.359	10.251	11.293	14.290	15.100
	TOT OPS	929	846	930	900	930	900	930	930	899	930	930	930	930
12-14	MEAN	17.0	21.1	30.1	39.7	50.9	59.0	65.7	74.0	81.6	87.5	89.0	87.0	67.0
	SD	12.379	13.775	11.800	10.948	10.519	8.667	6.886	7.499	10.250	10.067	11.293	14.290	15.100
	TOT OPS	930	846	928	930	930	900	930	930	899	930	930	930	930
15-17	MEAN	17.8	22.0	30.6	39.8	50.1	58.3	65.5	74.0	81.6	87.5	89.0	87.0	67.0
	SD	11.734	13.466	11.585	11.200	10.527	8.768	7.123	7.990	10.310	10.251	11.293	14.290	15.100
	TOT OPS	927	846	930	899	930	900	930	930	899	930	930	930	930
18-20	MEAN	17.1	21.2	30.5	39.9	49.5	57.9	65.6	74.0	81.6	87.5	89.0	87.0	67.0
	SD	12.280	14.069	11.471	11.113	10.592	8.530	7.196	7.565	10.210	10.251	11.293	14.290	15.100
	TOT OPS	927	846	930	930	930	900	928	930	899	930	930	930	930
21-23	MEAN	16.4	19.9	29.7	38.0	49.3	57.7	65.7	74.0	81.6	87.5	89.0	87.0	67.0
	SD	12.957	14.691	11.406	10.513	10.379	8.155	6.689	6.816	9.340	10.251	11.293	14.290	15.100
	TOT OPS	927	846	930	900	930	900	927	930	899	930	930	930	930
ALL	MEAN	16.2	19.5	29.1	38.5	49.1	57.8	64.9	73.2	80.4	86.3	88.5	86.5	66.5
HOURS	SD	13.052	14.625	11.615	10.659	10.370	8.133	6.691	7.310	9.759	10.091	11.150	14.181	15.066
TOT OPS		7421	6768	7437	7199	7440	7199	7435	7381	7166	7439	7430	7430	6766

GLOBAL CLIMATOLOGY BRANCH  
HSAFETAC  
AED WEATHER SERVICE/PAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 72635 STATION NAME: GILSON AFB IN

PERIOD OF RECORD: 74-87  
MONTH: JAN

MONTH	YEARS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL OBS
		100	200	300	400	500	600	700	800	900			
JAN	00-07	100.0	100.0	100.0	99.0	97.0	84.5	65.0	36.6	10.0	75.0	927	
	08-05	100.0	100.0	100.0	100.0	97.5	89.6	60.2	36.5	12.0	75.7	927	
	06-00	100.0	100.0	100.0	99.0	90.7	90.1	70.0	37.5	12.4	76.3	927	
	00-11	100.0	100.0	100.0	100.0	97.0	86.1	63.5	30.1	7.0	70.5	929	
	12-10	100.0	100.0	99.0	99.6	95.0	76.7	50.0	25.0	5.6	70.5	956	
	10-17	100.0	100.0	100.0	99.6	97.0	70.4	46.5	23.1	5.1	69.7	927	
	10-17	100.0	100.0	100.0	100.0	96.7	80.1	50.0	20.0	7.2	73.2	927	
	21-23	100.0	100.0	100.0	99.7	95.0	87.7	61.0	33.7	9.9	70.4	927	
	TOTAL	100.0	100.0	100.0	99.0	96.2	80.7	60.5	31.0	8.0	75.7	7021	

GLOBAL CLIMATOLOGY BRANCH  
WAFETAC  
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSELL AFB IN

PERIOD OF RECORD: 78-87  
MONTH: FEB

MONTH	HOURS 12511	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		100	200	300	400	500	600	700	800	900	(RELATIVE HUMIDITY)	(HUP OBS)
FEB	00-07	100.0	100.0	100.0	100.0	97.4	88.4	66.5	39.8	13.9	76.2	841
	08-05	100.0	100.0	100.0	100.0	98.5	87.0	70.1	44.1	15.7	77.2	841
	06-08	100.0	100.0	100.0	100.0	98.6	88.4	70.6	43.9	16.5	77.4	841
	09-11	100.0	100.0	100.0	99.9	97.5	83.6	60.6	35.7	12.2	74.7	841
	12-14	100.0	100.0	99.6	99.2	91.8	73.0	46.2	23.8	7.7	69.7	841
	15-17	100.0	100.0	99.8	97.6	89.6	67.7	39.1	22.8	7.6	68.0	841
	18-2	100.0	100.0	100.0	99.5	94.9	79.9	51.9	28.7	11.1	72.8	841
	21-23	100.0	100.0	100.0	100.0	97.9	86.1	63.7	37.2	13.2	75.2	841
	TOTALS	100.0	100.0	99.9	99.5	95.7	81.8	58.6	34.5	12.2	73.9	6768

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: MAR

MONTH	HOURS (LS11)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	95.9	86.1	67.4	41.1	10.5	75.6	931
	03-05	100.0	100.0	100.0	100.0	96.1	88.9	72.1	44.9	11.5	77.0	929
	06-08	100.0	100.0	100.0	100.0	97.4	89.7	72.3	46.3	14.5	77.5	931
	09-11	100.0	100.0	99.9	98.7	90.4	75.6	53.8	29.4	9.1	71.4	931
	12-14	100.0	100.0	98.3	89.9	74.4	54.8	37.1	21.4	4.8	63.8	928
	15-17	100.0	99.9	96.3	85.2	70.1	51.2	33.1	20.2	4.7	61.8	931
	18-20	100.0	100.0	99.4	94.9	82.2	65.7	45.3	26.8	5.6	67.7	931
	21-23	100.0	100.0	100.0	99.5	93.3	79.1	58.6	35.6	7.7	73.0	931
	TOTALS	100.0	100.0	99.2	96.0	87.5	73.9	55.0	33.2	8.6	71.0	7437



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 78-87  
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	(RELATIVE HUMIDITY)	NUM OBS
APR	00-02	100.0	100.0	100.0	99.7	93.9	81.3	58.6	34.7	14.4	73.9	901
	03-05	100.0	100.0	100.0	99.8	96.9	88.2	68.6	42.9	16.7	77.2	901
	06-08	100.0	100.0	100.0	99.7	96.8	87.6	67.7	41.9	17.0	76.5	901
	09-11	100.0	100.0	99.6	93.3	78.6	60.3	42.1	22.0	8.1	66.1	901
	12-14	100.0	99.9	93.8	78.2	61.0	43.9	29.7	15.1	6.4	58.6	901
	15-17	100.0	99.6	90.3	72.5	55.1	40.0	26.9	16.2	7.1	56.4	899
	18-20	100.0	99.9	94.8	82.7	65.9	49.2	34.7	21.6	9.0	61.3	901
	21-23	100.0	100.0	100.0	95.8	88.1	69.8	46.7	28.2	10.1	69.5	901
	TOTALS	100.0	99.9	97.3	90.2	79.5	65.0	46.9	27.8	11.0	67.4	7199

GLOBAL CLIMATOLOGY BRANCH  
 LSAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSEM AFB IN

PERIOD OF RECORD: 78-87  
 MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY EXCEEDED IN HOURS									MEAN	TOTAL
		100	200	300	400	500	600	700	800	900	RELATIVE (HOURS)	HOURS
MAY	00-02	100.0	100.0	99.9	98.7	92.2	77.1	58.1	35.4	13.0	73.7	931
	03-05	100.0	100.0	100.0	99.5	97.0	87.0	68.0	42.7	17.7	76.0	931
	06-08	100.0	100.0	100.0	99.2	95.7	84.5	65.1	38.6	11.1	75.5	931
	09-11	100.0	100.0	98.5	90.0	74.5	54.6	35.9	20.0	4.0	63.6	931
	12-14	100.0	100.0	93.2	75.2	54.0	36.7	24.4	13.0	3.7	55.0	931
	15-17	100.0	99.9	89.9	67.5	46.5	32.6	21.7	10.6	2.7	42.9	931
	18-20	100.0	100.0	93.0	77.2	56.7	41.1	27.6	14.5	3.0	57.2	931
	21-23	100.0	100.0	99.5	95.1	79.7	62.6	45.9	25.4	6.9	67.4	931
	TOTALS	100.0	100.0	96.9	87.8	74.8	59.7	43.5	25.1	7.2	65.1	7801

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JOINTLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725734 STATION NAME: OBISSOP AFB IN

PERIOD OF RECORD: 70-07  
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL HOURS
		100	200	300	400	500	600	700	800	900		
JUN	00-07	100.0	100.0	99.0	99.3	96.3	84.4	66.4	28.4	5.4	72.0	900
	08-05	100.0	100.0	100.0	100.0	99.3	91.1	72.3	39.0	7.5	77.0	899
	06-08	100.0	100.0	100.0	100.0	96.7	89.1	65.3	30.6	6.8	75.4	900
	09-11	100.0	100.0	99.0	97.1	80.3	53.9	30.3	13.1	1.3	63.4	900
	12-14	100.0	99.9	97.0	82.6	55.1	31.4	15.2	6.7	.6	54.5	900
	15-17	100.0	99.7	96.0	71.3	43.4	26.0	11.2	5.9	.9	51.4	900
	18-20	100.0	99.9	98.3	81.7	55.3	33.1	20.1	9.0	2.7	59.0	900
	21-23	100.0	100.0	99.7	96.2	86.6	61.1	37.1	19.6	5.2	66.6	900
	TOTALS	100.0	99.9	98.9	91.5	76.0	59.7	30.7	20.0	3.0	64.6	7199

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSTON AFB IN

PERIOD OF RECORD: 74-87  
MONTH: JUL

MONTH	FOUR PLST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL HUP OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.9	96.2	81.7	53.4	12.3	60.0	936
	03-05	100.0	100.0	100.0	100.0	100.0	99.4	91.6	67.2	19.5	63.5	936
	06-08	100.0	100.0	100.0	100.0	100.0	98.1	89.5	62.3	17.1	62.4	936
	09-11	100.0	100.0	100.0	99.1	93.1	74.3	47.3	19.7	4.3	69.2	936
	12-14	100.0	100.0	99.6	93.8	73.7	40.7	21.2	10.8	7.4	59.6	936
	15-17	100.0	100.0	98.3	84.9	61.3	31.4	17.1	9.8	1.3	56.7	936
	18-20	100.0	100.0	99.9	94.8	77.4	52.5	30.4	14.2	2.4	62.7	926
	21-23	100.0	100.0	100.0	100.0	96.8	86.5	65.3	33.3	6.1	74.4	927
	TOTALS	100.0	100.0	99.7	97.2	87.8	72.4	55.5	33.8	8.2	71.1	7455

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM	OBS
AUG	00-07	100.0	100.0	100.0	100.0	100.0	99.3	87.9	61.2	15.3	82.1	916	
	08-05	100.0	100.0	100.0	100.0	99.9	99.8	95.7	73.0	20.3	84.7	921	
	06-06	100.0	100.0	100.0	100.0	99.9	99.7	94.4	72.3	20.1	84.5	921	
	09-11	100.0	100.0	100.0	99.6	94.7	80.2	56.3	27.1	5.2	71.9	919	
	12-14	100.0	100.0	99.8	94.8	75.3	50.5	27.3	10.2	1.4	61.4	915	
	15-17	100.0	100.0	99.0	91.6	67.1	40.6	20.6	7.5	1.5	58.4	910	
	18-20	100.0	100.0	99.9	97.4	83.3	61.0	38.1	16.4	2.8	65.7	916	
	21-23	100.0	100.0	100.0	99.9	99.6	92.0	69.5	45.1	9.3	77.1	917	
	TOTALS	100.0	100.0	99.8	97.9	90.0	78.1	61.2	39.2	9.5	73.2	7345	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.8	95.9	80.8	45.9	10.5	79.1	896
	03-05	100.0	100.0	100.0	100.0	99.8	94.3	89.1	57.0	13.0	81.9	894
	06-08	100.0	100.0	100.0	100.0	100.0	98.7	91.1	60.1	16.2	82.7	894
	09-11	100.0	100.0	100.0	98.3	89.3	69.7	45.1	20.6	4.4	68.5	896
	12-14	100.0	100.0	98.1	84.3	55.7	31.9	18.6	8.0	1.3	55.4	897
	15-17	100.0	100.0	96.8	76.0	48.6	27.5	15.1	7.4	1.0	52.8	897
	18-20	100.0	100.0	99.6	94.5	76.7	52.4	30.2	14.0	3.1	62.7	897
	21-23	100.0	100.0	100.0	100.0	97.5	86.1	62.2	29.3	6.5	73.9	897
	TOTALS	100.0	100.0	99.3	94.1	83.4	70.1	54.0	30.3	7.0	69.6	7164

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	98.6	90.8	70.2	39.1	11.5	77.0	931
	03-05	100.0	100.0	100.0	100.0	99.1	94.0	79.2	50.2	17.4	79.5	931
	06-08	100.0	100.0	100.0	100.0	99.7	95.2	82.3	54.5	15.1	80.6	931
	09-11	100.0	100.0	100.0	99.7	92.0	73.2	51.5	27.5	8.2	70.8	931
	12-14	100.0	100.0	99.4	89.5	65.0	42.4	28.2	15.1	5.0	60.0	925
	15-17	100.0	100.0	97.4	81.1	54.5	34.9	25.4	13.0	4.1	56.9	931
	18-20	100.0	100.0	99.4	96.2	82.2	59.5	38.3	20.9	7.5	66.2	931
	21-23	100.0	100.0	100.0	99.9	96.8	83.9	55.8	30.0	10.9	73.4	931
	TOTALS	100.0	100.0	99.5	95.6	86.0	71.7	53.9	31.3	9.5	70.6	7439

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-86  
MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NLP OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	99.3	95.1	76.1	47.7	14.7	79.0	901
	03-05	100.0	100.0	100.0	100.0	99.1	96.3	79.4	51.1	16.8	80.1	901
	06-08	100.0	100.0	100.0	99.7	99.4	97.0	81.3	55.1	19.7	80.8	901
	09-11	100.0	100.0	99.9	99.7	98.0	88.2	67.3	39.0	15.0	76.5	901
	12-14	100.0	100.0	99.7	98.1	85.4	66.7	44.9	26.2	8.7	68.9	901
	15-17	100.0	100.0	99.6	96.6	80.0	64.1	45.1	25.1	8.6	67.7	901
	18-20	100.0	100.0	100.0	99.4	96.0	83.4	60.2	36.4	11.7	74.5	901
	21-23	100.0	100.0	100.0	99.7	98.4	92.8	71.4	40.8	13.1	77.5	901
TOTALS		100.0	100.0	99.9	99.2	94.5	85.4	65.7	40.2	13.5	75.6	7201



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSON AFB IN

PERIOD OF RECORD: 77-86  
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN (RELATIVE HUMIDITY)	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.9	99.7	92.3	73.4	46.2	15.9	70.4	927
	03-05	100.0	100.0	100.0	100.0	99.5	92.7	75.6	48.2	16.7	70.9	927
	06-08	100.0	100.0	100.0	100.0	99.4	92.4	77.0	48.3	17.6	70.9	927
	09-11	100.0	100.0	100.0	100.0	99.4	90.3	70.5	46.2	15.7	77.7	928
	12-14	100.0	100.0	100.0	100.0	98.2	80.4	58.8	35.5	14.4	74.5	926
	15-17	100.0	100.0	100.0	99.9	97.1	79.1	56.3	36.5	14.3	74.1	926
	18-20	100.0	100.0	100.0	100.0	99.5	90.6	68.9	43.4	15.4	77.5	925
	21-23	100.0	100.0	100.0	100.0	99.5	92.2	73.4	46.4	17.8	70.5	927
TOTALS		100.0	100.0	100.0	100.0	99.0	88.7	69.2	43.9	16.0	77.4	7416

GLOBAL CLIMATOLOGY BRANCH  
43AFB/C  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725335 STATION NAME: GRISSEY AFB IN

PERIOD OF RECORD: 77-87  
MONTH: ALL

MONTH	PERIOD (1977)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	ALL	100.0	100.0	100.0	99.0	96.2	89.7	80.5	31.8	8.8	73.7	7421	
FEB		100.0	100.0	99.9	99.5	95.7	81.0	58.6	34.5	12.2	73.9	6768	
MAR		100.0	100.0	99.2	96.0	87.5	73.0	55.0	33.2	9.6	71.0	7437	
APR		100.0	99.9	97.3	90.2	79.5	65.7	46.9	27.0	11.0	67.4	7195	
MAY		100.0	100.0	96.9	87.0	74.6	59.7	43.5	25.1	7.2	65.3	7441	
JUN		100.0	99.9	96.9	91.5	76.9	59.3	39.7	20.0	3.8	64.6	7195	
JUL		100.0	100.0	99.7	97.2	87.0	72.4	55.5	33.0	8.2	71.1	7435	
AUG		100.0	100.0	99.8	97.9	90.8	78.1	61.2	39.2	9.5	73.2	7345	
SEP		100.0	100.0	99.3	96.1	83.4	70.4	54.2	30.3	7.0	69.6	7161	
OCT		100.0	100.0	99.4	95.6	86.0	71.7	51.9	31.3	9.5	70.6	7435	
NOV		100.0	100.0	99.4	96.2	90.5	85.4	65.7	40.2	11.5	75.6	7230	
DEC		100.0	100.0	100.0	100.0	99.0	88.7	69.2	43.9	16.0	77.4	7416	
PERIOD	ALL	100.0	100.0	99.2	95.7	87.0	74.7	55.2	32.6	9.6	71.1	97465	

AD-A187 850

GRISCOM AFB INDIANA REVISED UNIFORM SUMMARY OF SURFACE

4/4

WEATHER OBSERVATIONS PART 8-2(U) AIR FORCE

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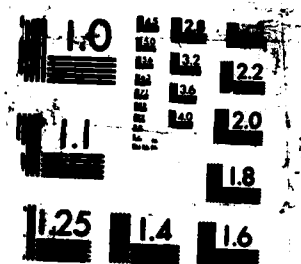
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PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD<sup>2</sup> DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	29.187	29.214	29.130	29.086	29.097	29.112	29.148	29.175	29.192	29.195	29.197	29.201	29.161
	SD	.255	.238	.236	.207	.157	.126	.105	.104	.145	.179	.220	.248	.197
	TOT OBS	310	282	310	300	310	300	310	305	298	310	300	310	3645
04	MEAN	29.187	29.204	29.117	29.073	29.090	29.109	29.140	29.166	29.191	29.192	29.192	29.199	29.155
	SD	.257	.243	.242	.212	.162	.129	.107	.111	.147	.182	.223	.252	.201
	TOT OBS	310	282	310	300	310	300	310	307	298	310	300	310	3647
07	MEAN	29.192	29.213	29.135	29.096	29.116	29.134	29.163	29.186	29.214	29.209	29.201	29.202	29.172
	SD	.260	.247	.246	.216	.167	.131	.109	.113	.149	.184	.230	.254	.204
	TOT OBS	310	282	310	300	310	300	310	307	298	310	300	310	3647
10	MEAN	29.219	29.234	29.154	29.110	29.126	29.143	29.175	29.202	29.228	29.230	29.222	29.226	29.189
	SD	.259	.250	.250	.219	.168	.133	.110	.113	.153	.187	.235	.258	.206
	TOT OBS	310	282	310	300	310	300	310	307	299	310	300	310	3648
13	MEAN	29.198	29.222	29.141	29.093	29.109	29.129	29.162	29.189	29.204	29.204	29.194	29.200	29.170
	SD	.254	.250	.246	.214	.162	.131	.107	.107	.150	.181	.232	.260	.203
	TOT OBS	310	282	310	300	310	300	310	307	299	310	300	310	3648
16	MEAN	29.179	29.195	29.104	29.066	29.079	29.098	29.134	29.158	29.167	29.178	29.175	29.188	29.144
	SD	.245	.243	.236	.204	.155	.126	.105	.106	.145	.176	.224	.254	.197
	TOT OBS	310	282	310	300	310	300	310	306	299	310	300	310	3647
19	MEAN	29.197	29.209	29.118	29.069	29.073	29.091	29.123	29.150	29.168	29.161	29.190	29.207	29.149
	SD	.242	.238	.229	.198	.152	.121	.101	.104	.141	.173	.220	.248	.194
	TOT OBS	310	282	310	300	310	300	309	306	299	310	300	310	3646
22	MEAN	29.200	29.217	29.134	29.094	29.099	29.116	29.147	29.174	29.191	29.204	29.197	29.211	29.165
	SD	.247	.237	.231	.199	.152	.121	.101	.103	.142	.174	.220	.244	.193
	TOT OBS	310	282	310	300	310	300	309	306	299	310	300	310	3646
ALL	MEAN	29.195	29.214	29.130	29.086	29.099	29.116	29.149	29.175	29.194	29.200	29.196	29.204	29.163
	SD	.252	.243	.240	.209	.160	.128	.107	.109	.148	.180	.226	.252	.200
HOURS	TOT OBS	2480	2256	2480	2400	2480	2400	2478	2451	2389	2480	2400	2480	29174

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

SEA LEVEL PRESSURE IN MBS FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725335 STATION NAME: GRISSOM AFB IN

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
01	MEAN	1019.2	1020.1	1016.7	1014.7	1014.7	1015.0	1016.1	1017.1	1017.9	1018.4	1018.9	1019.5	1017.3
	SD	9.174	8.690	8.429	7.304	5.542	4.494	3.714	3.726	5.210	6.372	7.857	8.961	7.130
	TOT OBS	310	282	310	300	310	300	310	305	298	310	300	310	3645
04	MEAN	1019.2	1019.7	1016.3	1014.3	1014.5	1014.9	1015.8	1016.8	1017.8	1018.3	1018.7	1019.4	1017.1
	SD	9.230	8.800	8.651	7.500	5.721	4.579	3.786	3.975	5.309	6.508	7.976	9.092	7.270
	TOT OBS	310	281	310	300	310	300	310	307	298	310	300	310	3646
07	MEAN	1019.5	1020.1	1016.9	1015.1	1015.4	1015.8	1016.7	1017.6	1018.8	1019.0	1019.1	1019.6	1017.8
	SD	9.345	8.937	8.452	7.652	5.877	4.638	3.878	4.074	5.383	6.556	8.234	9.161	7.338
	TOT OBS	310	282	310	300	310	300	310	307	298	310	300	310	3647
10	MEAN	1020.5	1020.8	1017.6	1015.6	1015.8	1016.1	1017.1	1018.1	1019.2	1019.7	1019.8	1020.4	1018.4
	SD	9.311	9.025	8.934	7.693	5.908	4.724	3.874	4.027	5.485	6.653	8.395	9.314	7.441
	TOT OBS	310	281	310	300	310	300	310	307	299	310	300	310	3647
13	MEAN	1019.6	1020.3	1017.1	1014.9	1015.1	1015.6	1016.6	1017.6	1018.3	1018.7	1018.8	1019.4	1017.7
	SD	9.122	9.034	8.807	7.538	5.711	4.646	3.791	3.836	5.379	6.403	8.236	9.374	7.308
	TOT OBS	310	282	310	300	310	300	310	307	299	310	300	310	3648
16	MEAN	1019.0	1019.4	1015.9	1014.0	1014.1	1014.5	1015.6	1016.5	1017.0	1017.8	1018.1	1019.0	1016.7
	SD	8.812	8.809	8.463	7.232	5.459	4.497	3.722	3.817	5.196	6.251	7.938	9.143	7.122
	TOT OBS	310	282	310	299	310	300	310	306	299	310	300	310	3646
19	MEAN	1019.6	1019.9	1016.3	1014.2	1013.9	1014.2	1015.2	1016.3	1017.1	1018.3	1018.7	1019.7	1017.0
	SD	8.710	8.622	8.230	7.008	5.350	4.281	3.557	3.709	5.057	6.159	7.855	8.964	7.071
	TOT OBS	310	282	310	300	310	300	309	306	299	310	300	310	3646
22	MEAN	1019.8	1020.2	1016.9	1015.0	1014.8	1015.1	1016.1	1017.1	1017.9	1018.8	1018.9	1019.9	1017.5
	SD	8.856	8.605	8.255	7.033	5.368	4.287	3.571	3.693	5.134	6.149	7.884	8.845	7.008
	TOT OBS	310	282	310	300	310	300	309	306	299	310	300	310	3646
ALL	MEAN	1019.5	1020.1	1016.7	1014.7	1014.8	1015.1	1016.1	1017.2	1018.0	1018.6	1018.9	1019.6	1017.4
	SD	9.070	8.811	8.584	7.381	5.644	4.553	3.776	3.898	5.309	6.397	8.050	9.132	7.228
HOURS	TOT OBS	2480	2254	2480	2399	2480	2400	2478	2451	2389	2480	2400	2480	29171



END

DATE

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